

BOC DISASSEMBLER OWNER'S MANUAL

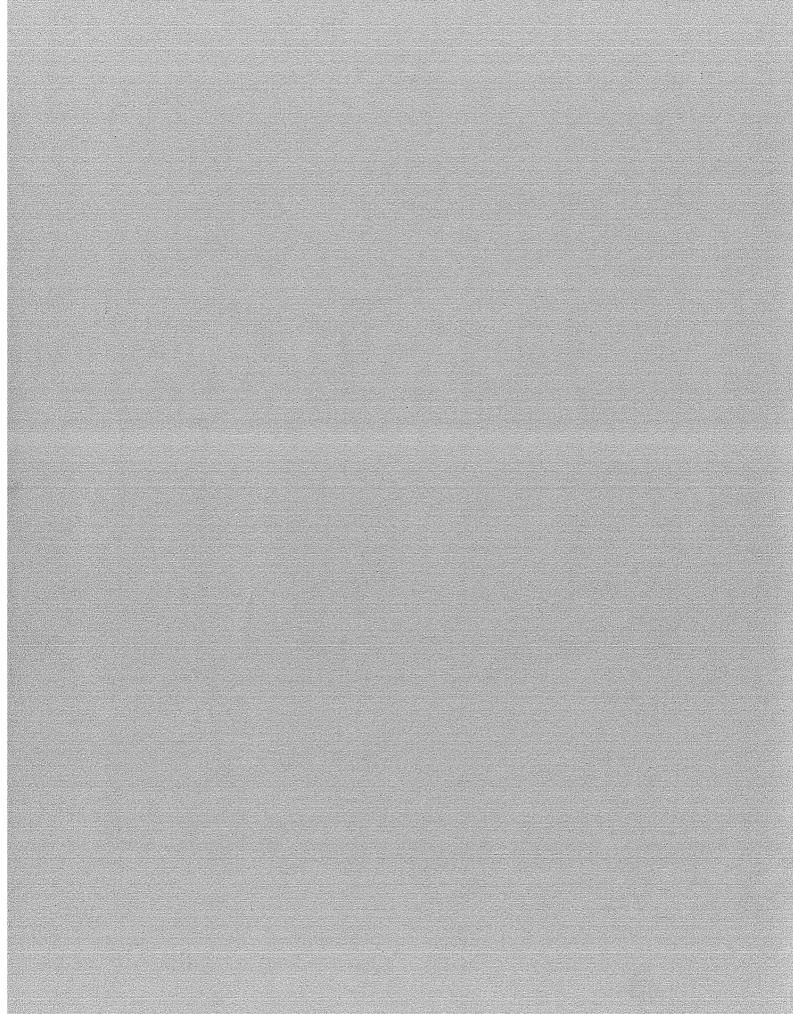


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80C DISASSEMBLER FOR THE COLOR COMPUTER

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WARRANTY STATEMENT

80C Disassembler is provided as is without warranty. Reasonable care has been taken to insure that the program operates as described in this manual. If you find a discrepancy in which it does not operate as such, please notify us. We will attempt to correct any errors brought to our attention, however, we make no quarantee to do so.

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THE COLOR COMPUTER DISASSEMBLER FROM THE MICRO WORKS

The Color Computer Disassembler is a program which is designed to run in the Radio Shack Color Computer and to provide readable listings of machine-language programs in the memory of the computer. These listings may be displayed on the computer's screen or sent to a printer, and may be in any of several formats. The code to be disassembled may be resident in the computer or may be any 6809 code which is loaded into the computer's memory. This document describes the operation of the disassembler, and should enable you to quickly begin use of the program as well as allowing you later to understand and fully use the many options available.

This program is on a cassette tape which should be loaded with the CLOADM command. It will load starting at location \$0600 and will wipe out any BASIC program that is there. BASIC should not be run after the tape is loaded; type EXEC to run the disassembler.

You will be prompted for a series of parameters, starting with "START ADDRESS". To get started, simply type a carriage return ("ENTER" key) in response to every question. In this program, all answers may be "defaulted" with a carriage return. After the last question, there will be a pause (for pass 1, the symbol table being built). When all the questions are defaulted, the entire BASIC ROM will be disassembled and pass 1 will take about 45 seconds. Then the listing will start.

To control the speed of the listing, the following keys may be used:

- Space bar will put the listing in single step mode; another key will put it back.
- Shift-@ will stop the listing as it does in BASIC.
- "S" will speed up and slow down the listing.
- BREAK key will allow the listing to be restarted at another address.

The question "RESTART WHERE?" will appear at the end of the listing or when BREAK is pressed. If it is defaulted (return is pressed) the program will restart from the beginning. Some of the questions which the program asks pertain to formatting and will be used often; some pertain to exactly what should be disassembled and will depend upon your application; still others are only for special cases and you may never need to answer them.

For all of your responses, your options are as follows:

- (1) You may default by simply pressing RETURN. All questions may be defaulted. When in doubt as to the meaning of a question, just press RETURN.
- (2) Addresses may be entered as a string of hex digits. If more than four digits are entered, the last four are used. Normal editing characters such as backspace are allowed.
- (3) Addresses may be entered in base ten by prefacing them with a period (eg. ",10" is the same as "A",)
- (4) Yes / No questions may be answered with "Y" or "YES" or "N" or "NO". Default (RETURN) is the same as NO.
- (5) The question "AREA OPTIONS" has a different format and is

discussed below. When in doubt, default.

(6) You may press the BREAK key. This will restart the program at the beginning.

The first question asks for an address at which to start disassembling, and the next for an address at which to stop. If these are both defaulted, you will be asked later if you want to default the entire definition of what to disassemble (see below).

start

The next question asks for an offset to where the code can be found. This is only used if some code has been copied to an address where it does not ordinarily run, and is usually defaulted (which is the same as a zero).

Next is the symbol table start and end address. This specifies some unused area of RAM which the program may use freely. The start and end default respectively to just after the end of the disassembler and 50 bytes below the stack. They only need to be entered if these values will interfere with a program being disassembled.

Synta table

Next is the area options, so we had best digress a little into the idea behind them. A program is generally made up of machine code, data tables, address tables, and so forth, all intermixed at the discretion of whoever wrote the program. Since there is no reason why data can't look like code, it is not possible for any disassembler to automatically figure out the boundaries of these areas. The "AREA OPTIONS" in this disassembler allow you to specify how to treat each area within the block being disassembled.

Disassembly is normally a two-step process. First, you disassemble the entire block treating everything as code. Certain blocks will stand out as being data, and the ASCII column on the output will help to identify text strings. You note a list of these areas and then enter them to make a new listing which is much "cleaner". If a perfect listing is desired, the new listing is studied at length until a complete list of areas is discovered, and the disassembler is run yet again.

The area types allowed by this program are as follows:

- P program area (machine code)
- D data area (FCB mnemonics)
- A address area (FDB mnemonics)
- S text string area (FCC mnemonics)
- V variable area (RMB mnemonics contents of memory ignored)
- T table area (alternating FDB and FCB)
- E end of last area

To enter an area, type the letter of the area type, a space, and an address. For example, if there is data at addresses 4567 through 4568, type:

D 4567 (data area starts at 4567)

P 4569 (program area resumes at 4569, one byte past the last data byte)

After the last option is entered, simply press RETURN.

The actual effect of entering a starting address (in answer to the first question) is to have that address entered in the area table as a "P" area. If that address is later specified as another type (or if any area is respecified) the new definition simply takes the place of the old one. The effect of entering an ending address (in answer to the second question) is to have that entered as an "E" area. When a RETURN is entered in response to the AREA OPTION question (whether or not it is the first time it was asked) the program checks that there are at least two boundaries specified, and if not the question is repeated.

If nothing has been entered, however, you are given a choice of copying the last set of areas used. The question is phrased so that a NO or default answer will copy in the previous set of areas. This table may then be added to. This is useful in building a set of areas, and restarting the program whenever a new area is discovered. If this option is used when the program is first loaded, however, the default set of areas will be set to those corresponding to the Level 1 BASIC interpreter ROM.

The remaining questions deal with the format of the output. You may select the full output mode, the scan format, or the default format. The full output takes two lines on the screen for each line of generated source, but contains the complete output with reference and cross reference addresses. If an 80-column printer is available, it is recommended that this format be used. The scan format contains the ASCII column and complete data columns at the expense of labels, and is useful for determining where the various data and code areas are. The default output mode gives only the first two bytes of the hex value in order to make room for labels. Both the scan and default format listings will fit in one line across the screen or across a 32-column printer, and so will be half as long as the full listing.

The next question is whether or not to send the output to the printer. Any printer that works with BASIC will work with the disassembler. If the printer is requested, then you are asked if it is 80 columns. Actually anything wider that 64 columns will work in 80-column mode. For a narrow printer, the next question is: "NO CR ON COL 32?". This is for the benefit of those printers which automatically produce a carriage return / line feed on column 32 and for which the programgenerated carriage return would be redundant. If you type "NO" (or default), and the listing contains unwanted blank lines, try typing "YES" to this question next time.

The program now executes Pass 1. This will take anywhere from no apparent time on a small disassembly to 45 seconds on the entire BASIC ROM. When Pass 1 is complete, Pass 2 starts and the listing will be produced.

When Pass 2 finishes, or is stopped by the BREAK key, it asks where to restart. Any address may be given within the area covered by Pass 1. If an address is given beyond the end of Pass 1 the question will be repeated. If it is before Pass 1, however, the disassembler will not object and will disassemble using the last area type it was left in. This last feature allows the disassembler to be used like

a one pass disassembler by specifying a short Pass 1 at the top of memory, then restarting wherever you want to disassemble. If you do not give an address to the restart question, the whole program is restarted.

The cross reference produced by the full format listing is used to find every explicit reference to any address. It is used as follows: Find the address of the label in question. Look it up in the table at the end, which is sorted by address. (Labels within the program are listed first, and externals listed separately.) The number given after the address in that table is the address of the last reference to that label. Now look at that reference. A number given in the cross-reference column at that line will point to the next prior reference, and so on. Four dots in the cross-reference column indicates that that is the first reference to that address, and is the end of the chain. A blank in the cross-reference column indicates that that is the only reference to an address and saves looking up the address in the table at the end.

While the listing is being generated, numeric keys may be pressed to change listing modes. 1, 2, or 3 may be pressed to change into Full. Scan, and Default modes respectively. 4, 5, and 6 may be pressed to change into three more modes which are seldom used: Source Only. Reference, and XReference; these are all one-line modes which sacrifice various fields in order to include others within the limited width of the screen.

Sometimes there is a reference to a label that is not on the first byte of an instruction. This happens often when disassembling a program where the data and variable areas are not known. It also occurs in perfectly disassembled listings when the programmer used such dirty tricks as using a Compare X Immediate opcode as "Skip over two bytes" and following it with a two byte instruction. There are two ways this disassembler deals with this. To increase readability, it normally will set the program counter back so as to disassemble the instruction at the label. This method, though nice, is not correct in that the listing produced will not then reassemble to the original code, and for this reason the "Source Only" format causes it to print labels of the form:

L1234 EQU *-1

In scan mode, where such backward referenced labels are mostly due to lack of area specifications, they will also print as EQUs.

APPENDIX I: EXAMPLES OF THE DISASSEMBLER'S OUTPUT

THE FOLLOWING ARE EXAMPLES OF THE OUTPUT OF THE DISASSEMBLER. THE THREE FORMATS ARE SHOWN. THE FULL FORMAT, WHICH TAKES DOUBLE LINES ON A 32-COLUMN PRINTER, IS SHOWN PRINTED ON BOTH A 32-COLUMN PRINTER AND AN 80-COLUMN PRINTER.

IN ADDITION, AN EXAMPLE IS GIVEN OF THE HEADER OUTPUT WHICH IS PRINTED AT THE START OF LISTINGS. THIS INCLUDES NAM, ORG, AND EQU STATEMENTS WHICH WOULD ALLOW THE DISASSEMBLY TO BE REASSEMBLED.

	NAM	DISASM	HEADER WHICH ALLOWS REASSEMBLY OF OUTPUT
	ORG	\$3000	그녀에 하는 그는 그는 그는 것이 되었다. 그 회사는 그리고 그리고 있다면 하는 그를 하면 하는 것이 없었다. 그는 그 사람들이 되었다.
X0000	EQU	\$0000 -	🦯 "一个一个都是一样的,她就想到一个格等,一定是他们的一个是我们的一个一个的,不会会会会会。" 化氯乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基乙二甲基
X3119		\$ 3119	
X313C		\$313C	to the contract of the contrac
X3141		\$3141	
X31C1		\$31C1	(4) 计数据文件的 新原则 (2) 数据处理 (2) 以数据文件的 (2) 的 (3) 对于 (3) 的 (3) (4) (4)
X33DC		\$33DC	🜓 till til til til som skripper til flagt i til som t
X3C2A		\$302A	GRA EVIZ DE BLIBAR SET EN ANNELSE BET EN BERNELSE
X3E5A		\$3E5A (
X3EF5		*3EF5 (EXTERNAL EQUATES
X3EF9		\$3EF9	S EVERDNAT FOURTHO
X3F0A		\$3F0A	EATERNAL EQUATES
X3F1C		\$3F1C	
X3F35		\$3F35	
X3F36		\$3F36	🌃
X4484		\$4484	
XCD00		\$CD00	
XD286		\$D286	भीका है। है सहित है अपने के पूर्व अधिकार महित्र में अधिकार में अधिकार में अधिकार महित्र है
XD2B5		\$D2B5	[8] A Confidence of the con
XD2C4		\$D2C4	A transfer and the property of the reserve that the second will be received accompanies to
XD2C7		\$ 0207	The appropriate the following of the property of the following of the foll
XD30F		\$D30F	
XD312		\$D312~	大學 中国人工 中国人工 医乳腺 医乳腺性蛋白 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
			医电影性的 医大大性 人名英格兰 计自然地址 医皮肤 医自然性 计线电路 电电子 医水杨二醇 医腹腔管
	(주리) (J.)		FULL FORMAT, 80-COLUMN PRINTER in process of the state of

		vi ygvilladahaan
		សស់សំ ស្រី <i>សាធាតិត្</i> បស្រុក

302C 302F 3031 3032	BDD2C7 2502 4F 39	D2C7 3033	=RG %. 0 9		JSR BLO CLRA RTS	XD2C7 L0004	The protocolour of the control of th
3033 3036 3037	BDD2C4 4D 39	D2C4	=RD M 9	L0004	JSR TSTA RTS	XD2C4	UN-DISASSEMBLABLE BYTES ARE FLAGGED WITH "<< "
3038	01	704D			FCB	\$01 <<-	
3039 303A	2010	304B	<i>j</i> 1	L0000	BGE EQU	L0005 *-1	A LABEL ON THE SECOND
3038	FF3F36	3F36	. ?6		STU	X3F36	BYTE OF INSTRUCTION
303E	BD3C2A	3C2A	=<*		JSR	X3C2A	
3041	53		Ş		COMB		
3042	4F		0		CLRA		
3043	55		U		FCB	\$ 55 <<	
3044	52		R		FCB	\$ 52 <<	
3045	43		Ç		COMA		
			/				

TEXT STRINGS SHOW UP IN THE ASCII COLUMN

```
HEX ADDRESS
            HEX INSTRUCTION (UP TO 4 BYTES)
                    AØB8 20F1
                BRA
                               , t.
               -STX
                     < U0000C
   A0BA 9F74
                STX
                     < V000D
   AØBC 9F27
                                       ASCII EQUIVALENT (UP TO 2 BYTES);
                STX
                     < U000E
   A0BE 9F23
                                       A "." INDICATES UNPRINTABLE
   A0C0 3089FF38/LEAX XFF38,X
                               Ø.
   AØC4 9F21
                STX
                     KU000F
                             A0C6 1F14
                TFR
                     x,s
  A DASH INDICATES A LABEL
        no kan terep o maio lo ma kan mnemonic
                                    OPERAND
                             DEFAULT FORMAT
        FEOR CLABEL TO S
                      8, U
                  STX
   A093 AF48
   A095 8E01+
                  LDX
                       #U0007
                       #$39 "9"
   A098 8639
                  LDA
   A09A A780 L000F STA
                       , ⊠+
   A09C 8C01+
                  CMPX #U0008
   A09F 26F9
                  ENE
                      L000F
   A0A1 B702+
                  STA
                      V0009
                      #U000A
   A0A4 8E06+
                  LDX
   A0A7 6F80
                  CLR
                       , X+
                       < V000B
   A0A9 9F19
                  STX
   A0AB A602 L0011 LDA
                  COMA
TO 2 BYTES OF HEX
         A "+" INDICATES MORE THAN 2 BYTES
```

FULL FORMAT, NARROW PRINTER

```
AØEØ
          9F72
                  0072 A01D
                                      ASCII EQUIVALENT (ALL 5 BYTES)
          STX < < 0002
   AØE2
          8655
          LDA #$55 "U"
   AØE4
          STA <V0001
   AØE6
          200B A0F3
          BRA L0015
   A0E8
          12
                          Example: CROSS REFERENCE POINTER
    L0014 NOF
   AØE9
          QF6F and QQ6F and began of the (LAST ADDRESS TO REFERENCE SAME ADDRESS)
          CLR < < 00013 9326 9 350 450 450
   A0EB
          BDAD33 AD33
          JSR\ L0016
                REFERENCED ADDRESS
       LABEL
             HEX INSTRUCTION (UP TO 5 BYTES)
                                       6
HEX ADDRESS
```

APPENDIX II: A NOTE ON INTERFACING A PRINTER TO THE COLOR COMPUTER

As stated in the Disassembler manual, any printer that will work with BASIC will work with the Disassembler. Since there are some questions involved in making a printer work with BASIC, however, this note is included in hopes that we may be of some assistance.

All references to printers are to serial printers; at present there is no easy way to interface to a parallel printer.

The serial input line must be pulled up (to a "break" condition) in order for a printer to run. This is because the Output Character routine in the BASIC ROM checks this line after sending each character and waits for it to be high. This may be used to handshake with a printer if it provides a signal which is high when ready to accept a character. If this is not needed, the daring may install a 10K pullup resistor between this point (which may be found at the anode of CR6) and +5. (This resistor is large enough not to affect the operation of this line as an input.)

The baud rate is set in locations \$95 and \$96. It defaults to 600 baud. It may be set using the Micro Works CBUG monitor, or by POKE statements with the following values:

110 baud- poke 149,1 : poke 150,202

300 baud- poke 149,0 : poke 150,180

600 baud- poke 149.0 : poke 150,87

1200 baud- poke 149,0 : poke 150,41

2400 baud- poke 149.0 : poke 150.18

Note that except for 110 baud, the byte at 149 (=\$95) remains zero and need not be set.

If the cable is used which plugs into the serial port and has a DB-25 connector on the other end, the following points should be noted:

It is designed to plug into a modem. This means that it transmits on pin 2 of the 25-pin connector, and receives from pin 3. A printer will probably expect these two lines to be reversed; that is, the printer will listen on pin 3.

Ground is on pin 7 as usual.

The carrier-detect line goes to pin 8 and may be safely ignored.

An example of interfacing to a printer is given for the Malibu 165:

Receive Data is expected on pin 3 of the printer's DB-25 connector, so this should be connected to the computer's Transmit line (or to appin 2 if the DB-25 cable is used).

A positive-true Printer Buffer Not Full signal is available on pin 20 of the printer's DB-25, and should be connected to the Receive line on the computer (or to pin 3 of the DB-25 cable).

If the Buffer Not Full signal is not used, the computer's Receive line should be pulled up and the baud rate should not exceed 600 (for this particular printer) so as not to overrun the printer's buffer.

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MEMORY MAP OF THE COLOR COMPUTER:

0000-03FF RAM USED BY BASIC INTERPRETER

0400-05FF VIDEO DISPLAY (MAY BE MOVED)

0600-OFFF RAM FOR USER PROGRAM

1000-3FFF ADDITIONAL RAM IN 16K SYSTEM 4000-7FFF NOT USED 8000-9FFF EXPANSION ROM SLOT

A000-BFFF BASIC INTERPRETER ROM TO LA MARA MINARE LA MARA MARANA DE MARANA D

COOO-FEFF AVAILABLE TO CARTRIDGES

FF00-FFFF I/O AND CONTROL, SEE BELOW

MEMORY MAP OF I/O AND CONTROL AREA:

FF00-FF1F PIA 1 (ONLY 4 BYTES USED)

FF20-FF3F PIA 2 (ONLY 4 BYTES USED)

FF40-FF5F UNUSED (AVAILABLE TO CARTRIDGES FOR I/O) PERSON AND

FF60-FFBF NOT USED

FFCO-FFDF 6883 REGISTERS (SEE BELOW)

NOT USED TERRORS SEEKETOO SETTIMB GOZAGE. FFEO-FFEF

FFFO-FFFF RESTART VECTORS (ECHO FROM BFFO) 1885

PIA 1 CONNECTIONS:

FFOO BITS 0+6 SKEYBOARD ROW INPUT SED THAT THE SHEET HAS THE SHEET HAS

SUBJECT BITAG ? SIEJOYSTICK COMPARISON INPUT HE DO GLAG THE BYATE

BITS 0-1 ALSO CONNECTED TO JOYSTICK SWITCHES

FF01 PIA CONTROL REGISTER A 10 TENTED 140 CT TENTED 150

CA1 IS 63.5 uSEC IRQ

CA2 IS OUTPUTTTOOLSBOOF MUX TWO DRIBOR IN ADER 1 FORM

FF02 BITS 0-7 KEYBOARD COLUMN OUTPUT

iad karakara aridi kala ari karakara arikara ari PIA CONTROL REGISTER B
CB1 IS 16.7 mSEC IRQ FF03

CB2 IS OUTPUT TO MSB OF MUX

TO SEC BESTERNA THE GRUEN OF ITS HOLEN SERVED DESCRIPT

PIA 2 CONNECTIONS: # PARKET GROSS SETTING ASSET LAGGERS OF THE STATE O FF20 BIT 0 CASSETTE DATA INPUT BIT 1 RS232 DATA OUTPUT

BITS 2-7 OUTPUT TO DAC

FF21 PIA CONTROL REGISTER A

PIA CONTROL REGISTER A
CA1 IS RS232 CARRIER DETECT FIRQ

CA2 CASSETTE MOTOR CONTROL OUTPUT

FF22 BIT 0 RS232 DATA INPUT

SINGLE BIT SOUND BIT 1

BIT 2 RAM SIZE JUMPER INPUT

BIT 3 VDG CONTROL - "CSS"

BIT 4 VDG CONTROL - "GMO" & "I/E"

BIT 5 VDG CONTROL - "GM1"

BIT 6 VDG CONTROL - "GM2"

BIT 7 VDG CONTROL - "A/G" FF23 PIA CONTROL REGISTER B

CB1 IS CARTRIDGE FIRQ

CB2 IS SOUND ENABLE OUTPUT

NOTE ON USING PIA CONTROL REGISTERS - appeared to the second

WHEN WRITING TO A CONTROL REGISTER, ALWAYS SET BITS 2, 4, AND 5. SET BIT O TO ENABLE AN INTERRUPT FROM CAI (OR CB1).

SET BIT 1 TO LOOK FOR A RISING EDGE ON CA1 (OR CB1); OTHERWISE THE PIA WILL LOOK FOR A FALLING EDGE.

SET BIT 3 TO TURN ON THE OUTPUTS (CA2 FOR CB2). HEART AVA THE COORS

WHEN READING, BIT 7 WILL BE SET IF AN EDGE HAS BEEN FOUND ON CA1 (OR CB1), AND WILL STAY SET UNTIL A READ IS DONE OF THE DATA REGISTER (THE BYTE BEFORE THE CONTROL REGISTER).

EXAMPLES:

LDA	#\$34	NO INTERRUPT, FALLING	EDGE CA2 OFF	7633-6433 ·
STA	\$FF21	CASSETTE MOTOR OFF	tien in the state of the state	장점 얼마 사용을 가장 하다
LDA	\$FF21	GET CA1 FLAG (1988 (1988)	PROTETANT STEE	TH 기가 가 나는 하게 가
BPL	NERF	BRANCH UNLESS CARRIER	DETECT HAS GONE	HIGH TO LOW
LDA	\$FF20	RESET CA1 TO LOOK FOR	NEXT TRANSITION	rran_nran

THE DUAL 4-1 ANALOG MUX:

THE TWO OUTPUTS CA2 AND CB2 FROM PIA 1 ARE USED TO CONTROL THE STATE OF AN ANALOG MULTIPLEXOR. ONE HALF OF THIS MUX DETERMINES WHICH SIGNAL GOES TO THE TELEVISION SOUND OUTPUT, AND THE OTHER HALF SELECTS WHICH JOYSTICK (AND WHETHER VERTICAL OR HORIZONTAL) IS TO BE COMPARED TO THE OUTPUT OF THE DAC.

							d de encorre		
					Samuella Sam	-DMI DMI		VI 183	
FFOI	!	EE03		SOUND OUT	saw the	.TOVE	TICK IN	RI GAD	
			•	COUNT COI		, , , , , , , , , , , , , , , , , , ,	I LOIL III		
	- i -		- ; -			:			
34	ł	34	i	6-BIT DAC	o www.	: RIGH	r HORIZO	NTAL	19099
3C	1	34	ŀ	FROM CASSET	TE !	RIGHT	UERTIC	CAL	
	•		•					7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	and the same of
34	1	3C	1	FROM CARTRI	DGE	LEFT	HORIZON	ITAL	8043
3C	!	30	ļ.	NONE	- Lary	LEFT	VERTICA	MATERIA DE LA COMPANIO	
~~	,			117117	200		A MILL I T ML	The state of the s	

NOTE THAT THERE WILL BE NO SOUND OUT ANYTIME CB2 OF PIA2 (FF23 BIT 3) IS LOW. THIS IS THE SOUND ENABLE BIT. IT DOES NOT AFFECT THE JOYSTICK INPUTS.

LIST OF RESTART VECTORS:

FFFO	NOT USED			
FFF2	SOFTWARE	INT #3	CONTROL RECLETER A FEEL BEEN A	
FFF4	SOFTWARE	INT #2	is seem carrie sernac serna	
FFF6	FIRQ		TUTTED LORTEON ROTOM STYLEGAN	
FFF8	IRQ			
FFFA	SOFTWARE	INT #1	veries Ateg Reserve de la	711
FFFC	NONMASKAE	RLE INT	THE PROPERTY OF THE PROPERTY OF THE	TIB
FFFE	RESET		TOTAL BECAUTE BASE OF ST	71.8
	NDOL:			11.4
			etr tomogen a jarrege competition and	
			그 그렇게 그는 경우로 맞잠하는 수일이 그 본다.	TIS
			TO SEE TO LESS TO SEE TO SEE THE SEE T	9114

RECISTERS IN THE 6883:

THESE REGISTERS ARE SET ONE BIT AT A TIME. A WRITE TO AN ODD ADDRESS SETS A BIT, AND A WRITE TO AN EVEN ADDRESS CLEARS A BIT. THE DATA WRITTEN IS IMMATERIAL. THE LOWEST ADDRESS IN A GROUP AFFECTS THE LEAST SIGNIFICANT BIT OF THE REGISTER, AND THE HIGHEST ADDRESS AFFECTS THE MOST SIGNIFICANT BIT.

FFCO-FFC5 VIDEO DISPLAY MODE (NORMALLY 000)

FFC6-FFD3 ADDRESS OF START OF DISPLAY (BY 1/2 K INCREMENTS)

FFD4-FFD5 RAM BANK (NOT USED)

FFD6-FFD9 MPU SPEED (NORMALLY OO FOR 0.9 MHz)

FFDA-FFDD MEMORY SIZE

FFDE-FFDF MEMORY MAP TYPE (O FOR ROM-BASED SYSTEM)

VIDEO DISPLAY GRAPHICS MODES:

6883 MODE BITS>						V2	V1	VO	
6847 CONTROL BITS>	G/A	GM2	GM1	GMO	CSS				
INTERNAL ALPHANUMERICS	0	 Х				~~~		0	-
EXTERNAL ALPHANUMERICS	Ö					Ō	0	•	
	V	X	X	1	X	0	0	0	
SEMIGRAPHICS - 4	0	Х	X	0	X	0	0	0	
SEMIGRAPHICS - 6	0	X	X	1	X	0	0	0	
SEMIGRAPHICS - 8	0	X	X	0	X	O	1	0	
SEMIGRAPHICS - 12	0	X	X	: O	X	1	0	0	
SEMIGRAPHICS - 24	O	X	X	O	X	1	1	0	
FULL GRAPHICS - 1C	1	0	0	0	X	0	0	1	
FULL GRAPHICS - 1R	1	O	0.	" 1 1	X	0	0	1	
FULL GRAPHICS - 2C	1	0	1	0	: X	0	1	0	
FULL GRAPHICS - 2R	1	0	1	1	X	0 🔑	1	1	
FULL GRAPHICS - 3C	1	1	0	0	X	1	0	0	
FULL GRAPHICS - 3R	1	1	O	1	X	1	0	. 1	
FULL GRAPHICS - 6C	1	1	1	0	X	1	1	0	
FULL GRAPHICS - 6R	1	1	1	1	X	1	4 1 %	0	

APPENDIX IV

THE FOLLOWING IS A LIST CONTAINING SOME INTERESTING ADDRESSES IN THE BASIC ROM. IT IS INTENDED TO AID IN THE UNDERSTANDING OF DISASSEMBLY LISTINGS. IT IS NOT IN ANY WAY COMPLETE AND NO REPRESENTATIONS ARE MADE AS TO ACCURACY OR APPLICABILITY. THE ADDRESSES SHOWN MAY INDICATE THE BEGINNING OF A GENERAL AREA AS OPPOSED TO ACTUAL ENTRY POINTS OF SUBROUTINES. CARE SHOULD BE EXERCISED IN THE UTILIZATION OF INFORMATION IN THIS LIST.

```
A000 ADDRESS OF CHECK KEYEOARD
A002 ADDRESS OF CHARACTER OUT
               A004 ADDRESS OF CASSETTE READ ON THE READ MADE NOT THE READ MADE NOT THE READ FOR T
               AOOB ADDRESS OF BLOCK IN A TOTAL COLUMN COMMENT OF BLOCK OUT
               A008 ADDRESS OF BLOCK OUT
               AOOA ADDRESS OF JOYSTICK IN The state of the
               ACOC ADDRESS OF HEADER OUT
               AOOE SECONDARY RESET
               A027 PRIMARY RESET
               AGGE HARDSTART (AFTER RESET)
               AOF6 FIRQ ENTRY (ROM PACK CHECK)
A10D START OF AREA DOWNLOADED TO RAM AT $8F THE TRANSPORTED AND AT $8F
  A129 START OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED TO RAM AT $100 DEFENDED AND ADMINISTRATION OF AREA DOWNLOADED AND ADMINISTRATION OF A DOWNLOADED AND ADMINISTRATION OF AREA DOWNLOADED AND ADMINISTRATION OF A DOWNLOADED AND ADMINISTRATION ADMINISTRATION OF A DOWNLOADED AND ADMINISTRATION OF A DOWNLOADED AND ADMINISTRATIO
                A170 INPUT CHARACTER, BIT 7 CLEAR
                A176 INPUT CHARACTER
                                            BLINK CURSOR COLOR
                A199
                                                 CHECK KEYBOARD AND GET KEY IF PRESSED
                 A1C1
                A26E TABLE OF CODES.

A282 OUTPUT CHARACTER TO PRINTER (RS232)

OUTPUT CHARACTER TO SCREEN
                                           CLOSE COMMAND
                 A416
                                           CSAVE COMMAND
                 A44C
                 A498 CLOAD COMMAND
                                           CLOADM COMMAND
                 A4FE
                 A53E EXEC COMMAND
                                              INKEYS FUNCTION
                  A564
                                           EOF FUNCTION
                  A5CE
                 A5EC
                                           SKIPF
                  ASF6
                                              OPEN COMMAND
                                             READ BLOCK FROM TAPE
                  A701
                                           BLOCK IN
                  A70B
                                            MOTOR COMMAND
                  A7BD
  -> A85C SINE TABLE FOR CASSETTE OUT
                   A880
                                            SET COMMAND
                                                  RESET COMMAND
                  A8B1
                                             POINT FUNCTION
                  ABF5
                  A910 CLS COMMAND
                  A937 PRINT COPYRIGHT (CLS 9)
                                             SOUND COMMAND
                  A94B
                                             AUDIO COMMAND
                   A992
                                               INTERRUPT PROCESSOR (60 HZ COUNTER)
         → A9B3
                   A9C6
                                               JOYSTICK
```

READ JOYSTICK VALUES

AA29 FUNCTION ADDRESS TABLE

A9DE

```
OPERATION TABLE FOR: + - * / + AND OR
AA51
                            (3 BYTES EACH: ADDRESSES AND PRECEDENCE VALUES)
    AA66
                          COMMAND NAME TABLE
    ABIA
                           FUNCTION NAME TABLE.
    AB67
                           COMMAND ADDRESS TABLE
                           ERROR CODE TABLE SASSA - INACHARANT TWO SESSONS TO THE CALLED
    ABAF
    ABE1
                           TEXT STRINGS
    ABF9
                           SEARCH STACK FOR GOSUB OR FOR
    ACIE
                           OPEN UP SPACE IN MEMORY
    AC46
                           ERROR HANDLER
   AC73
                           IDLE LOOP
    AD17
                           NEW (CLEAR MEMORY)
    AD47
                           FOR COMMAND
    AD9E
                           INTERPRET LOOP
                          CHECK FOR BREAK OR PAUSE
   ADEE
   AE02
                          END COMMAND
   AE09
                          STOP COMMAND
                          CONT COMMAND
   AE30
   AE41
                          CLEAR COMMAND
   AE75
                          RUN COMMAND
   AE86
                          GO COMMAND
                          GOSUB COMMAND
   AE92
   AEA4
                          GOTO COMMAND
                          RETURN COMMAND
REM, ELSE
   AECO
   AEE2
   AF14
                          IF COMMAND
ON COMMAND
   AF42
                          GET UNSIGNED INTEGER
   AF67
                          LET COMMAND
   AF89
   AFF5
                          INPUT
   B046
                          READ
                          NEXT COMMAND
GET EXPRESSION
   BOF8
   E156
                         ANOTHER ENTRY IN THE OPERATION TABLE TO THE STATE OF THE 
   BICB
   E223
                          GET OPERAND
   B290
                          EXECUTE FUNCTIONS
   B2D4
                          AND / OR OPERATIONS
                          RELATIONAL OPERATIONS
   B2F4
   B34E
                          DIM
                          VARIABLE CREATION
   B38F
                         EVALUATE INTEGER EXPRESSION
   B3E4
                         MEM FUNCTION WESTERNAME RESERVED FOR STREET WAS TO SERVED FOR THE PROPERTY OF 
   B4EE
   B4FD
                          STR# FUNCTION
  B518
                          GET STRING
  B681
                         LEN FUNCTION
CHR$ FUNCTION
  B68C
  B6A0
                         ASC FUNCTION
  BEAB
                          LEFT$ FUNCTION
   E6C8
                         RIGHT$ FUNCTION
                         MID$ FUNCTION . A PROPERTIE TO CAMPAGE TO THEM THE TRANSPORT
   B6CF
   B716
                          VAL FUNCTION
   B750
                          PEEK FUNCTION
                         POKE COMMAND
   B757
B75E
                         LLIST COMMAND
   B764
                          LIST COMMAND
```

```
UNTOKENIZE TOKENIZE T
            B7E6
            B821
            B8F7 PRINT
            B97E
                                        TAB
                                       PRINT TEXT STRING

LA,Grave latters appearance to the print text string and the print text string.
    > B99C
            B9B4 START OF FLOATING POINT ROUTINES - ROUNDING
           B9B9 SUBTRACT FROM FPAC1
B9C2 ADD TO FPAC1
BA79 TWO'S COMPLEMENT FPAC1
            BACA
                                        MULTIPLY
           BACA MULTIPLY
BB2F MOVE [X] TO FPAC2
BB7D CONSTANT 10.0
BB91 DIVIDE
BC4A MOVE FPAC2 TO FPAC1
BC5F MOVE FPAC1 TO FPAC2
BC6D TEST FPAC1 FOR ZERO AND SIGN
BC7A SGN FUNCTION
            BCEE INT FUNCTION
            BD12 CONVERT STRING TO FLOATING POINT
          BDB6 CONSTANTS - 999999999. 9. 999999999. 1E+09
BDD9 CONVERT FPAC1 TO ASCII
BECO CONSTANT 0.5
BEC5 SERIES OF 4 BYTE CONSTANTS
BF1F RND FUNCTION
BF78 SIN FUNCTION
           BF78 SIN FUNCTION
BFBD CONSTANTS - 2 PI, 0.25
BFC8 SERIES OF 5 BYTE CONSTANTS
BFF0 RESTART VECTORS
           A FEW INTERESTING VARIABLES:

O019 START OF USER RAM
O01B TOP OF PGM, BEGIN VARIABLES
→ 0019
OO1B TOP OF PGM, BEGIN VARIABLES
OO1D TOP OF VARIABLES
OO1F TOP OF ARRAYS
OO21 TOP OF STACK
OO25 MEMORY LIMIT FOR BASIC
OO27 PHYSICAL MEMORY LIMIT

OO4F FLOATING ACC #1 (6 BYTES)

OO5C FLOATING ACC #2 (6 BYTES)
                                       DEVICE NUMBER FOR OUTPUT CHARACTER
RESET FLAG = $55 FOR WARMSTART
RESTART POINTER
START OF AREA DOWNLOADED FROM ROM

OGGY

OUTPUT

CHARACTER

OF A COUNTY AND COUNTY 
             OOGF DEVICE NUMBER FOR OUTPUT CHARACTER
                                     RESET FLAG = $55 FOR WARMSTART
             0071
             0072 RESTART POINTER
             008F
            0095 BAUD RATE FOR PRINTER (2 BYTES)
             0097 CR DELAY (2 BYTES)
                                     COMMA FIELD WIDTH
             0098
             009A
                                        PRINTER WIDTH
                                        START OF GET NEXT CHARACTER SUBROUTINE
            009F
                                        ANOTHER AREA DOWNLOADED FROM ROM
            010C
             015E START OF TRAPS (3 BYTE SUBROUTINES WHICH
                                                                                                              ARE SET TO RTS [$39])
                                        CASSETTE BUFFER
     -> 01DA
```

ا 02DD خـ

INPUT BUFFER

MEMORY MAP:

0000 -	OSFF	VARIABLES, TEMPS, ETC.	
0400 - 0600 -	05FF	LO-RES SCREEN AREA BASIC PROGRAM BASIC VARIABLES	
		FREE MEMORY STACK	FOR SAME WAS IN
	OFFF 3FFF	STRINGS TOP OF MEMORY ON 4K MACHINE TOP OF MEMORY ON 16K MACHINE	等等等的。 1
4000 - 8000 -	7FFF 9FFF	UNUSED EXTENDED BASIC ROM SOCKET	- 1885 - 1909 - 1908 - 1909 - 1885 - 1909 - 1909 - 1909 - 1909
A000 - C000 -	BFFF FEFF	BASIC ROM EXTERNAL ROM SLOT	(4) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
FF00 - FF20 -	FF03 FF23	KEYBOARD PIA VDG / DAC PIA	PERSONAL PRODUCED AND A PROPERTY AND A PARTY OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE
FFCO -	ffef ffff	SAM REGISTERS RESTART VECTORS (FROM BFFO - BFFF)	A\$

DISASSEMBLING THE EXTENDED BASIC ROM: APPENDIX V

THE EXTENDED BASIC ROM, WHICH IS LOCATED AT ADDRESSES 8000 THROUGH 9FFF, CAN BE DISASSEMBLED CLEANLY USING THE COMMANDS BELOW.

START ADDRESS: 0000 END ADDRESS: A000 ADDRESS OFFSET: SYMBOL TABLE START: SYMBOL TABLE END: AREA OPTION: V 0000 AREA OPTION: D 8000 AREA OPTION: P 8002 AREA OPTION: D BODC AREA OPTION: S 80E8 AREA OPTION: P 813C AREA OPTION: S 8183 AREA OPTION: A 81F0 AREA OPTION: S 821E AREA OPTION: A 8257 AREA OPTION: P 8273 AREA OPTION: D 83AB AREA OPTION: P 83B0 AREA OPTION: D 83E0 AREA OPTION: P 8446 AREA OPTION: D 84C4 AREA OPTION: P 84F2 AREA OPTION: S 890B AREA OPTION: P 890F AREA OPTION: S 8BD9 AREA OPTION: P 8BDD AREA OPTION: A 929C AREA OPTION: P 92A6 AREA OPTION: D 92DD AREA OPTION: P 92E9 AREA OPTION: A 948A AREA OPTION: P 9494 AREA OPTION: D 9706 AREA OPTION: P 9710 AREA OPTION: D 9839 AREA OPTION: P 9852 AREA OPTION: D 9C5B AREA OPTION: P 9CB6 AREA OPTION: D 9E79 AREA OPTION: P 9E9D AREA OPTION: FULL OUTPUT? . . .

```
PAGE 001 0:GEN80.TXT THE MICRO WORKS
GEN80: SOURCE GEN V I.3
```

```
00002
                                OPT
                                       NOG
00003
00004
                          ******
00005
00006
            of A James Tage 🐣
                             GEN80 - DISASSEMBLER
00007
                             ON TRS COLOR COMPUTER
00008 PARTE LARGER BOOOM
00009
                             COPYRIGHT (c) 1981 BY
00010:EXPERT HERMALL MAR OF A
                             THE MICRO WORKS, INC.
00011等等等等 自己和 自身的结构 4点 点线
                             WRITTEN BY ANDREW PHELPS *
                          *
00012
                             LAST REVISED: 29 MAR 81
00013 3000 Refer or ages as
                                                     ¥
                          ********
00014
00015
00016
                             THIS PROGRAM GENERATES A SOURCE
00017
                             LISTING FROM A BLOCK OF 6809 MACHINE
OCC18 - TREESES NOTTOWNERS
                             CODE. INFORMATION ABOUT THE BOUNDARIES
                             OF TEXT STRINGS, VARIABLE AREAS, ETC.,
00019 Remarks Tool Property
00020 10000 3000 10 30000000
                             SUPPLIED BY THE OPERATOR, IS ENTERED
00021
                             IN THE SYMBOL TABLE. PASS 1 THEN
00022 TYPEREST SERVE STORES
                             FILLS IN THE SYMBOL TABLE: PASS 2 LISTS
OOO23 ARTO TO SEATTING BY RESIDENT
                          ¥
                             THE GENERATED SOURCE. "SETMSK"
00024
                             IS CALLED BEFORE PRINTING ANY FIELD
00025
                             TO DETERMINE IF IT SHOULD BE PRINTED.
00026
                             IN THE SYMBOL AREA, EXTERNALS GROW
           SUTESTE AT Char
00027 vs two 907 0000
                             BACK FROM THE END OF THE AREAS WHILE
                          ¥
00028
                             LABELS GROW FROM THE BEGINNING.
00029 KS JOO MO MO OM KA J
00030 Rose transcription os
                             MACRO DEFINITIONS:
OOO31 WO WOAR OF THROO CA
00032
                          *
                                      TERMINATED STRING
00033 TBO NO RETURNS OF KEIN
                          STRG
                                 MACR
00034
                           LBSR INDIS DISPLAY STRING
00035
                           FCC "\O" INSERT STRING
                           IFEO NARG-2 IF 2 ARGS
OOO36 NEW TWINE WERE CARD
00037
                             IFNC \1 RET
00038
                               FAIL ILLEGAL STRING OPTION
00039
                             ENDC
                             FCB $D ADD A CR
00040 - TESU LOGATE C- 00
00041
                           ENDC
000420H TOBRIDVI HEDBOIGKI
                           FCB O TERMINATE STRING
00043/100A) BETEFER KECKI
                           ENDM
00044
                                          TABLE ENTRY
OOO45 TO RETURN TO TREE
                                MACR
                           FCC "\0"
00046
0004777988888888 1208878
                           FCB O
00048
                           FDB $\1,0
OOO49 BEEN BY ZETTERED WELLADD
                           ENDM
00050
00051
                          SETMSK MACR
                                                CALL TO SET OUTMASK
00052
                           LBSR SMASK
TOTAL NUMBER OF VALUE EZOSO
                           FCB \O
00054
                           ENDM
00055
00056
               0000
                        A TRS80 EQU 0
                                          =O FOR TRSBO, =-1 FOR DOS
```

PAGE 002 0:GEN80.TXT THE MICRO WORKS
GEN80: SOURCE GEN V I.3

***			u				
00058			*				
00059				ABLES	(ALL RELAT	rive to u register)	는 가야함
00060			*				
00061A 0	000	0002 A	FIRLAB	RMB	2	POINTER TO LABEL ARE	A A OOU
00062A 0		0002 A	LASLAB	RMB	- 2 A H H I V	LAST LABEL + 1	
00063A 0			CURLAB	200	/ 2 77 80 8	CURRENT PRINTED LABE	1. *** ***
			BOTEXT			BOTTOM EXTERNAL ENTR	
00064A 0					2 80 5 0 000 55 000 55		Section 1
00065A 0			TOPEXT	and the second of the	40 2 3 79 70 - 3	TOP EXTERNAL ENTRY	
00066A 0	OOA			RMB		1 => OLD LABELS PRES	
00067A 0	00B	0002 A	PAC	RMB	Manna A	PC ADJUSTED FOR PREE	YTE
00068A 0	OOD	0002 A	PRC	RMB	2	POINTER TO CODE	\$2000
00069A 0			REALPC	RME	2	POINTER TO WHERE COD	E WOULD
00070A 0			PASS	RMB	A Van Albert III ee	O OR 1	A STANKE
			OFFSET	RMB	ż	PC-REALPC	
00071A 0		elin Mara e mortiga i i i i i e nomb	化环烷二烷 化硫甲磺胺 电离记记录法				
00072A 0	the second of th		TFLAG	RMB		FOR T OPTION	to the State Collins of the Collins of the Collins
00073A 0	015	0001 A	SSTEP	RMB		SINGLE STEP FLAG	
00074A 0	016	0001 A	MODE	RMB	1	INSTRUCTION ADDRESS !	MODE
00075A 0	017	0002 A	LOOKXT	RMB	2	X TEMP FOR LOOKUP	21.000
00076A 0			MODADR			ADDRESS OF MODE PROC	ESSOR
00078A 0	The second secon		LENGTH		r išto alvi se	BYTES IN INSTRUCTION	
	The state of the s		一门 医复数发表 医延迟性坏疽		u Biling a	LENGTH MINUS PREBYTE	
00078A 0			ALEN	RMB			
00079A 0			EXTRA	RME	eri e rel Elektrika erektrik erektrik	THE 4TH LETTER OF MN	
0 A08000	01E	0001 A	MNENO	RMB	Salara New 1996	MNEMONIC NUMBER	A59030762
00081A 0	01F	0002 A	SAVEND	RMB	11 2 1	USED IN STARTUP	
00082A 0	4.1 (3.4 (4.1	0002 A	SAVSTR	RMB	2	USED IN STARTUP	45010
000B3A 0	14 3 3 3 3 4 1 4 1 4 1 1 1 1 1 1 1 1 1 1		LASREF			LAST LINE REF SET BY	REFERN
the state of the s			CURMSK		i j iidaa y	REQUESTED MASK	95000
00084A 0					-	1 => NO CR ON COL 32	
00085A 0			NOCR32		<u>.</u>		
00086A 0			FULLMD		n Banan J	1 => FULL PRINT MODE	
00087A 0	029		SCANND	RMB	sa 1ensener - P	1 => DON'T GO BACK O	N EON *-
00088A 0	02A	0001 A	SLOW	RMB	1	\$FF => PRINT DELAY	MERIUS.
00089A 0	02B	0001 A	SAVEIT	RMB		1 => TO BUFFER ON OU	TEE
00090A 0			COLBO	RMB	14. #####	O => NOT 80 COL	発起からの
00091A 0			PRINTR		- 스타스에 취취되는	O => TO SCREEN ONLY	##0000
				RME	ovak oval	1 => DON'T PRINT HEX	ADDR
00092A 0		0001 A			EZŽOMOK		CRAMA
00093A 0		1675 STEEL	MASKF	RMB	12 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PRINT FIELD MASK	87000
000 94A 0			COLCNT		Daws	LAST COLUMN PRINTED	25000
000 95A 0	0032		DIF	RMB		EQU *- VALUE	
00096A 0	0033	0001 A	ECFLAG	RMB	Ci Tor	<pre><0 => SYMBOL USED > ** </pre>	ONCE
00097A 0	0034	0002 A	XT	RMB	. Ž TYKU	TEMP	19000
00098A 0			INDFLG	Campanani, Aliang Baran	FFF : STA	INDICATED INDIRECT M	ODES
00099A			INDREG		a han a	INDEX REGISTER (ASCI	TYZOO
			DAREA	RMB	i	DATA AREA OR PROG	\$ \$0000 T
00100A 0		그 경기 취임 시작 시작 기계				DRIN MEDI OR I MOO	
00101A 0			TYPE	RMB		USED AT PARAMETER TI	ne
00102A 0			XREFX	RMB	2 408	TEMP IN XREF	LUIDT AND THAT ARE
00103A 0	003C	0002 A	REFX	RMB		LAST SYMBOL REFERENC	ED
00104A 0	003 E	0001 A	MODOP	RMB	77 803	PUSH S OR U FLAG	Mestroni.
00105A 0			CNT	RMB		COLUMN COUNTER IN XR	EF ³⁰⁰⁰
							문의 발표시
to the second se	KAMPUO TI	0014	IDE	מאם	20	OPERAND LINE BUFFER	16000
00107A 0	J040		LBF	RMB		VILKARD LINE BUFFER	72000
00108			ENDLBF		" 67 864		Law Same Law Law Con-
00109		0054 A	NUMVAR	EQU	* 4	TOTAL NUMBER OF VARI	ABLES
					and the second of the second		28000
	i tang sasa	NET SON ON				S Physical S	
na n		egan i de ekilê bêzetir. T				[홍기 :	38000

```
THE MICRO WORKS
PAGE
     003
          O:GENSO.TXT
         GEN80: SOURCE GEN V I.3
00111
                         * PROGRAM HEADERS AND LINKAGES
00112
00113
             40 0000 A
00114
                               IFEQ
                                      TRS80
00115A 0600 15
                             ORG
                                      $600
00116A 0600
                0000
                       Α
                              FDB
                                      Ö
                                               SO AS NOT TO
                                               FREAK OUT BASIC ...
00117A 0602
              0000 A
                               FDB
                                      Ö
00118A 0604 20
                11
                    0617
                             BRA
                                      START
                9F A002 A OUTCH JMP
                                               OUT CHARACTER TO SCREEN
00119A 0606 6E
                                      [$A002]
00120A 060A 7E
                A2BF
                    A OUTPRT JMP
                                      $A2BF
                                               PRINT CHARACTER
00121A 060D 39
                         INTPRT RTS
                                               NO PRINT INIT NEEDED
                                               INPUT EDITED LINE
00122A 060E 7E
                A390
                       A LINEIN JMP
                                      $A390
                9F A000 A POLCAT JMP
00123A 0611 6E
                                      [$A000]
                                               CHECK KEYBOARD
00124
                02DD
                       A INBUF
                                EQU
                                      $2DD
                                               INPUT BUFFER ADDR
00125
                                ENDC
00126
                0000 A
00127
                           IFNE
                                      TRSBO
00163
                                ENDC
00164
00165A 0615 000 012C
                    A SCON FDB 300
                                               SLOW SPEED CONSTANT
00166 Harry Harriston Fig. 1
00167
                         *******************
00168
                         ¥
                 * PROGRAM START
00169
00170
00171A 0617 32
                EB AC
                     A START
                               LEAS
                                      -NUMVAR S LEAVE ROOM FOR VARS
                43 A
00172A 061A 1F
                                TFR
                                      S.U
                                               SAVE STACK FRAME PTR
00173A 061Capping management of a
                               STRG
                                      (SOURCE
                                               GEN 6809) RET
00174A 0630
                                STRG
                                      ((C)
                                               1980 BY THE MICRO WORKS), RET
                8D 12D9
00175A 0650 30
                              LEAX
                                      PROEND_PCR
                             STX
00176A 0654 AF
                C4
                   A
                                      FIRLAB, U
                8D 13DB
00177A 0656 30
                               LEAX
                                      ENDDEF_PCR
                             STX
                42 A
                                      LASLAB, U
00178A 065A AF
                  A START1 TFR
00179A 065C 1F
                34
                                      U.S
                          LDA
00180A 065E 86
                01 A
                                      #1
00181A 0660 A7
                                STA
                                      LRESET, U LABELS NEED RESET
                       A
                               STRG
00182A 0662
                                      (START
                                               ADDRESS? )
00183A 0675 17
                              LBSR
                0348 0900
                                      ITYPE1
                                      START2
00184A 0678 26
                              BNE
                03 - 067D
00185A 067A 8E
                FFFF
                      Α
                                LDX
                                      #$FFFF
00186A 067D AF
                C8 21
                     A START2 STX
                                      SAVSTR.U
00187A 0680
                                STRG
                                      (END
                                               ADDRESS? )
00188A 0691 17
                0320 0900
                                LBSR
                                      ITYPE1
00189A 0694 26
                03
                    0699
                             BNF
                                      START4
00190A 0696 8E
                      Α
                0000
                                LDX
                                      #0
00191A 0699 AF
                CB 1F
                       A START4 STX
                                      SAVEND U
00192A 069C
                                STRG
                                      (ADDRESS OFFSET? )
00193A 06B0 17
                030D 09C0
                             LBSR
                                      ITYPE1
00194A 06B3 26
                03 06B8
                                BNE
                                      START3
00195A 06B5 8E
                0000
                       Α
                                LDX
                                      #0
00196A 06B8 AF
                C8 12 A STARTS STX
                                      OFFSET_U
00197A 06BB
                                STRC
                                      (SYMBOL TABLE START? )
00198A 06D3 17
                02EA 09C0
                                LBSR
                                      ITYPEI
00199A 06D6 26
                04 06DC
                              BNE
                                      START5
00200A 06D8 30
                8D 1251
                                LEAX
                                      PROEND, PCR
                C4
00201A 06DC AC
                       A START5 CPX
                                      FIRLAB, U
                06
00202A 06DE 27
                    06E6
                                BEQ
                                      START7
```

```
PAGE 004 0:GEN80.TXT THE MICRO WORKS
GEN80: SOURCE GEN V I.3
```

```
00203A 06E0 AF
                   C4
                            Α
                                      STX
                                              FIRLAE, U
00204A 06E2 AF
                   42
                            Α
                                      STX
                                              LASLAB, U
00205A 06E4 6F
                   4A
                            Α
                                      CLR
                                              LRESET, U
00206A 06E6
                              START7 STRG
                                              (SYMBOL
                                                        TABLE END? )
00207A 06FC
            17
                   0201 0900
                                      LBSR
                                              ITYPE1
00208A 06FF 26
                   03
                        0704
                                      BNE
                                              START6
00209A 0701 30
                   E8
                      CE
                            Α
                                      LEAX
                                              -50.S
                                                        LEAVE ROOM FOR STACK
00210A 0704 AF
                   48
                            A
                              START6 STX
                                              TOPEXT U PUT TOP OF EXTERNALS
00211A 0706 AF
                   46
                            A
                                      STX
                                              BOTEXT U NO EXTS YET
00212A 0708 AE
                   C8 21
                            A
                                      LDX
                                              SAVSTR.U WHERE WAS START
00213A 070B 8C
                   FFFF
                            Α
                                      CMPX
                                              #$FFFF
                                                        DEFAULT?
00214A 070E 27
                   08
                        0718
                                      BEQ
                                              START8
                                              # ' P
00215A 0710 86
                   50
                            A
                                      LDA
                                                        TYPE "PROGRAM"
00216A 0712 A7
                   C8 39
                            Α
                                      STA
                                              TYPE_U
00217A 0715 17
                   00E5 07FD
                                      LBSR
                                              INSOPT
                                                        INSERT TO TABLE
00218A 0718 AE
                   C8
                      1 F
                            A STARTS LDX
                                              SAVEND, U
00219A 071B 27
                   08
                        0725
                                      BEQ
                                              START9
                                                        WAS END DEFAULTED?
00220A 071D 86
                   45
                            A
                                      LDA
                                              #'E
00221A 071F A7
                   C8 39
                            Α
                                      STA
                                              TYPE.U
                                                        TYPE "END"
00222A 0722 17
                   00D8 07FD
                                      LESR
                                                        PUT IN SYM TAB
                                              INSOPT
00223A 0725 17
                   OOEA 0812 START9 LBSR
                                              CLEANT
                                                        CLEAN OUT SYMBOL TABLE
00224
00225
                              ×
00226
                                 LOOP TO READ AREA BOUNDARIES
00227
                                                                               OB LOG
00228A 0728
                              OPT
                                              (AREA
                                      STRG
                                                        OPTION: )
00229A 0739 17
                   02C5 0A01
                                      LBSR
                                              ITYPE2
                                                        GET LETTER/NUMBER
00230A 073C 27
                   49
                        0787
                                      BEQ
                                              OPTCR
                                                        NO OPTION ENTERED
00231A 073E A6
                      39
                   C8
                            A
                                      LDA
                                              TYPE, U
00232A 0741 81
                   3F
                            A
                                      CMPA
                                              #17
                                                        PRINT SYMBOL TABLE
00233A 0743 26
                        0752
                   OD
                                      BNE
                                              OPT2
00234A 0745 86
                   01
                            A
                                      LDA
                                              #1
                                                        PASS TWO
00235A 0747 A7
                   CB 11
                            Α
                                      STA
                                              PASS. U
                                                        SO IT WILL PRINT
00236A 074A 17
                   00F5 0842
                                      LBSR
                                              SETCRT
                                                        OUTPUT TO CRT
00237A 074D 17
                   0226 0976
                                      LBSR
                                              PXREF
                                                        PRINT XREF TABLE
00238A 0750 20
                        0728
                                              OPT
                   DA
                                      BRA
00239A 0752 B1
                   50
                            A OPT2
                                      CMPA
                                              # 'P
                                                        PROGRAM
00240A 0754 27
                   2D
                        0783
                                      BEO
                                              OPTI
00241A 0756 B1
                   53
                                      CMPA
                                              #1S
                            Α
                                                        STRING
                        0783
00242A 0758 27
                   29
                                      BEQ
                                              OPTI
00243A 075A 81
                   44
                            Α
                                      CMPA
                                              #'D
                                                        DATA
00244A 075C 27
                   25
                        0783
                                      BEQ
                                              OPTI
00245A 075E 81
                   41
                            Α
                                      CMPA
                                              #'A
                                                        ADDRESSES
00246A 0760 27
                   21
                        0783
                                      BEQ
                                              OPTI
00247A 0762 81
                   56
                            Α
                                      CMPA
                                              # ' U
                                                        VARIABLES
00248A 0764 27
                   1D
                        0783
                                      BEQ
                                             OPTI
00249A 0766 B1
                   45
                                      CMPA
                            A
                                              # 'E
                                                        END
00250A 0768 27
                   19
                        0783
                                      BEQ
                                             OPTI
00251A 076A 81
                   54
                                      CMPA
                                              # ' T
                            A
                                                        TABLE
00252A 076C 27
                   15
                        0783
                                      BEQ
                                             OPTI
00253A 076E
                                      STRG
                                              (ILLEGAL
                                                       OPTION) RET
00254A 0781 20
                   A5
                        0728
                                      BRA
                                             OPT
00255
00256A 0783 8D
                   78
                        O7FD OPTI
                                      BSR
                                              INSOPT
                                                        INSERT IT
00257A 0785 20
                   A1
                        0728
                                      BRA
                                              OPT
                                                        LOOP
00258
00259A 0787 6D
                   44
                            A OPTCR
                                      TST
                                             LRESET, U
```

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PAGE 005 0:GENBO.TXT THE MICRO WORKS
GENBO: SOURCE GEN V 1.3
```

```
00260A 0789 26
                 32
                     O7ED
                            BNE
                                       OPTCR2
00261A 078B AE
                 42
                             LDX
                     - A
                                       LASLAB, U
00262A 078D 30
                 14
                        Α
                                 LEAX
                                                MUST BE TWO ENTRIES
                                       -12,X
00263A 078F AC
                 C4
                        Α
                               CMPX
                                       FIRLAB, U
00264A 0791 1024 00BC 0851
                                LBHS
                                       INGO
                                                OK: AT LEAST TWO
00265A 0795
                                 STRG
                                       (MUST
                                                HAVE AT LEAST START AND END)
00266A 07BA 16
                FF6B 0728
                                LERA
                                       OPT
                                                NO DEFAULT TO GO TO
00267A 07BD
                       OPTCR2 STRG
                                       (NON-DEFAULT AREAS? )
00268A 07D4 17
                0268 0A3F
                             LBSR
                                       ITYPE3
                                                YES-NO
00269A 07D7 1026 FF4D 0728
                                LENE
                                       OPT
                                                IF YES
00270A 07DB 6F
                4A
                             CLR
                   A
                                       LRESET.U
00271A 07DD 8D
                33
                     0812
                              BSR
                                       CLEANT
00272A 07DF
                              STRG
                                      (ANY
                                                OTHER AREAS? )
00273A 07F4 17
                0248 0A3F
                             LBSR
                                     ITYPE3
                                                YES-NO
00274A 07F7 1026 FF2D 0728
                             LBNE
                                       OPT
                                                IF YES
00275A 07FB 20
                54
                     0851
                             BRA
                                    INGO
00276
                    00277
                             INSERT AREA OPTION INTO TABLE
00278
00279A 07FD 6D
                4A
                        A INSOPT TST
                                       LRESET, U NEED TO RESET?
00280A 07FF 27
                06
                     0807
                                BEQ
                                       INSOP2
                                               OK IF NOT
00281A 0801 EC
                C4
                        A / * 9/14
                              LDD
                                       FIRLAB, U START OF TABLE
00282A 0803 ED
                42
                        A
                                STD
                                       LASLAB,U IS NOW END TOO
00283A 0805 6F
                4A
                        Α
                                       LRESET, U DON'T RESET AGAIN
                             CLR
                                     ā, x
00284A 0807 1F
                10 A INSOP2 TFR
00285A 0809 17
                064B 0E57
                            LBSR
                                       LOOKLA
                                               LOOK UP SYMBOL
                             LDA
00286A 080C A6
                C8 39
                        A
                                    TYPE, U
                                               SET TO WHAT TYPE
00287A 080F A7
                             STA
                84 A
                                               PUT TYPE INTO TABLE
                                       O . X
00288A 0811 39
                                RTS
00289
00290
                            CLEAN OUT UNNEEDED SYMBOLS
00291
00292A 0812 AE
                48 A CLEANT LDX
                                       TOPEXT, U
00293A 0814 AF
                46
                        Assessment
                                STX
                                     BOTEXT U
00294A 0816 AE
                C4
                       Α
                                LDX
                                    FIRLAB U
00295A 0818 1F
                12
                    19 to A
                                TFR
                                       X.Y
00296A 081A 6F
                C8 39
                       A
                                CLR
                                       TYPE, U
00297A 081D 10AC 42
                       A CLEAN2 CMPY
                                      LASLAB, U
00298A 0820 27
                1 D
                     083F
                            BEQ
                                       CLEANS
00299A 0822 EC
                A4 A
                                       0.Y
                                LDD
00300A 0824 84
                7F
                       A
                            ANDA
                                       #$7F
                                               CLEAR FLAG BIT
00301A 0826 A7
                A4
                   - A
                            STA
                                     0, Y
00302A 0828 A1
                C8 39
                      Α
                                CMPA
                                      TYPE,U SAME AS LAST TYPE?
00303A 082B 27
                0E
                     083B
                                BEQ
                                       CLEAN4
00304A 082D A7
                                               RECORD NEW TYPE
                C8 39 A
                            STA
                                      TYPE.U
00305A 0830 ED
                81
                       Α
                                STD
                                      ,X++ MOVE SYMBOL DOWN
00306A 0832 EC
                22
                       Α
                                LDD
                                       2.Y
00307A 0834 ED
                81
                       Α
                             STD
                                    00308A 0836 CC
                0000
                       Α
                                LDD
                                       #0
00309A 0839 ED
                81
                       Α
                                STD
                                      ् X++
                                               NO XREF
00310A 083B 31
                26
                       A CLEAN4 LEAY
                                       6, Y
                                               MOVE POINTER UP
00311A 083D 20
                DE
                     081D
                                BRA
                                      CLEAN2
                42
00312A 083F AF
                       A CLEANS STX
                                      LASLAB U SAVE END POINTER
00313A 0841 39
                                RTS
00314
00315
                            SET PARAMETERS FOR CRT
00316
                         ** 1777 - 第一次第三位的图影。 字符直接格
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PAGE
      006
            O:GENBO.TXT
                            THE
                                    MICRO
                                                 WORKS
            GEN80: SOURCE GEN V I.3
00317A 0842 6F
                  C8 15
                           A SETCRT CLR
                                             SSTEP, U
                                                       NOT SINGLE STEP
00318A 0845 6F
                  C8 2D
                           A
                                     CLR
                                             PRINTR.U NOT TO PRINTER
00319A 0848 86
                  01
                           Α
                                     LDA
                                             #1
00320A 084A A7
                  C8 27
                           Α
                                     STA
                                             NOCR32,U NO CR ON COL 32
                  CB 2C
00321A 084D 6F
                           A
                                     CLR
                                             COLBO, U
                                                       NOT 80 COLUMNS
00322A 0850 39
                                     RTS
00323
00324
                                 DECIDE ON OUTPUT FORMAT
00325
00326A 0851 86
                  01
                           A INGO
                                     LDA
                                             #1
00327A 0853 A7
                  4A
                           Α
                                     STA
                                             LRESET, U LABELS NOW NEED
00328A 0855 17
                  032A 0B82
                                     LBSR
                                             STFULL
00329A 0858
                                     STRG
                                             (FULL
                                                       OUTPUT?)
00330A 0868 17
                  01D4 0A3F
                                     LBSR
                                             ITYPE3
00331A 086B 26
                   1B
                        0888
                                     BNE
                                             INGOS
00332A 086D
            17
                  031D 0B8D
                                     LBSR
                                             STSCAN
00333A 0870
                                     STRG
                                             (SCAN
                                                       FORMAT?)
00334A 0880 17
                  OIBC OASF
                                     LBSR
                                             ITYPE3
00335A 0883 26
                  03
                        0888
                                     BNE
                                             INGOS
00336A 0885 17
                  030D 0B95
                                     LBSR
                                             STDEFL
00337
00338
                                 DECIDE ON OUTPUT UNIT
00339
00340A 0888 8D
                  B8
                        0842 ING03
                                     BSR
                                             SETCRT
00341A 088A
                                     STRG
                                             (TO
                                                       PRINTER? )
00342A 089A 17
                  01A2 0A3F
                                     LBSR
                                             ITYPE3
                                                       GET YES NO
00343
                  0000
                           Α
                                     IFEQ
                                             TRS80
                        08E2
00344A 089D 27
                  43
                                     BEQ
                                             INGO2
                                                       IF NO, CR32 OK
00345
                                     ENDC
00346
                  0000
                                             TRS80
                           A
                                     IFNE
00348
                                     ENDC
00349A 089F 6C
                  C8 3D
                           Α
                                     INC
                                             PRINTR.U
00350A 0BA2 17
                  FD68 060D
                                                       INIT PRINTER
                                     LBSR
                                             INTPRT
00351A 08A5
                                     STRG
                                             (BO-COLUMN? )
00352A 08B4 17
                  0188 0A3F
                                     LBSR
                                             ITYPE3
00353A 08B7 27
                  80
                        0801
                                     BEQ
                                             INGO4
                                                         NO
00354A 0BB9 6C
                  CB 2C
                           Α
                                     INC
                                             COLSO. U
00355A 08BC 6F
                  C8 27
                           Α
                                     CLR
                                             NOCR32, U
                        08E2
00356A 08BF 20
                  21
                                     BRA
                                             INGO2
                                                       CR ON COL 32?)
00357A 08C1
                              INGO4
                                     STRG
                                             (NO
00358A 08D5 6F
                  C8 27
                           Α
                                     CLR
                                             NOCR32.U
                                                       GET YES NO
00359A 08D8 17
                  0164 0A3F
                                     LBSR
                                             ITYPE3
00360A OBDB 27
                        08E2
                  05
                                     BEQ
                                             INCO2
00361A 08DD 86
                  01
                           Α
                                     LDA
                                             #1
00362A 08DF A7
                  CB 27
                           A
                                     STA
                                             NOCR32.U
00363
                  08E2
                           A INGO2
                                     EQU
00364
                             ¥
                                 INIT FOR PASS ONE
00365
                             *
00366
00367A 08E2 AE
                  C4
                                     LDX
                           A
                                             FIRLAB, U
00368A 08E4 AF
                  44
                                     STX
                           A
                                             CURLAB, U
00369A 08E6 AE
                  02
                           Α
                                     LDX
                                             2.X
                                     STX
00370A 08E8 AF
                  4F
                           Α
                                             REALPC, U
00371A 08EA 6F
                  C8 11
                           A
                                     CLR
                                             PASS, U
                                     LBSR
00372A OBED 17
                  0320 0010
                                             DOPASS
                                                       BUILD SYMBOL TABLE
```

PRINT HEADING & EXTERNALS

00373

PAGE 007 0:GEN80.TXT THE MICRO WORKS COMMAND C

00375				★ 1.00×2.00 A		· · · · · · · · · · · · · · · · · · ·
00376A	08F0	86	01 A	LDA	#1	- A
00377A			CB 11 A	STA		
					PASS, U	in 1966 - Anna an Aireann Aireann ann an Aireann an Aireann an Aireann an Aireann an Aireann an Aireann an Air Aireann an Aireann an A
0037 8 A			FF A	LDA	#\$FF	START AT SLOW SPEED
0037 9 A	08F7	A7	C8 2A A	STA	SLOW, U	AND COMPLEMENT ON "S"
00380A	OBFA	6F	CB 2B A	CLR	SAVEIT U	PRINTING OK
003 81A	OSED			SETMSK		
00382A		17	08D4 11D8	LBSR	CRLF	
00383A			0000 A	LDD	#O	
00384A			4F A	STD	REALPC, U	
003 85 A	0909	17	0770 107C	LBSR	DATCOL	
00386A	090C	17	03F3 0D02	LESR	LABEL2	NULL LABEL AND DEED ARRAS
00387A	090F			SETMSK		
00388A		17	08C6 11DC	LBSR	PDATAI	
				•		
00389A			4E A			BASM7 FYSO - NE DASO ARANG
00390A			00 A	FCB	0	TREE SPEC STREET
00391A	0922	17	08B3 11D8	LBSR	CRLF	
003 92 A	0925	AE	C4 A	LDX	FIRLAB, U	
00393A			02 A	LDX	2,X	一道主席 李章 中的 一直是 自己的 医皮肤小体
00394A						
			4F A	STX	REALPC, U	
003 95 A		17	074E 107C	LBSR	DATCOL	PRINT DATA COLUMNS
003 96 A		17	03D1 0D02	LBSR	LABEL2	NULL LABEL SEE HOUSE AND POR
003 97 A	0931			SETMSK	13	- 스타일반 - 기반 - 경제 시험인 - 스타일상(************************************
00398A	0935	17	08A4 11DC		PDATAI	STEE ON SERVICE AND SERVICE
APPE00			4F A	JUNETCC ARE		SOLI 6180 LI 4880 ARRAS
00400A				FCB		The second of th
00401A		20			0	
				GRAS GRIEAXIA	REALPC, U	
00402A		17	084B 118F	LBSR	OUTADR =	ORG ADDRESS
00403A			0891 11D8	LBSR	CRLF	· 현대원은 - 역속하여 현실 - 취임되는 - 수요율보다
00404A			0891 11D8 0350 0C9A		CRLF EXTERN	PRINT LIST OF EXTERNALS
					EXTERN	PRINT LIST OF EXTERNALS
00404A				* * * * * * * * * * * * * * * * * * *	EXTERN	PRINT LIST OF EXTERNALS
00404A 0040 5				* PASS TWO	EXTERN	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407	0947	17	0350 OC9A	* PASS TWO	EXTERN	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A	0947 094A	17 AE	0350 OC9A C4 A	* PASS TWO LDX	EXTERN FIRLAB, U	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A 00409A	0947 094A 094C	17 AE EC	0350 OC9A C4 A O2 A	* PASS TWO LDX LDD	EXTERN FIRLAB,U 2,X	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A 00409A 00410A	0947 094A 094C 094E	AE EC ED	0350 OC9A C4 A O2 A 4F A	* PASS TWO LDX LDD STD	EXTERN FIRLAB, U 2, X REALPC, U	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A 00409A 00411A	0947 094A 094C 094E 0950	AE EC ED	O350 OC9A C4 A O2 A 4F A C4 A	* PASS TWO * LDX LDD STD DO2 LDX	FIRLAB, U 2, X REALPC, U FIRLAB, U	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A 00409A 00410A 00411A 00412A	0947 094A 094C 094E 0950 0952	AE EC ED AE AF	0350 OC9A C4 A 02 A 4F A C4 A 44 A	* PASS TWO * LDX LDD STD DO2 LDX STX	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U	PRINT LIST OF EXTERNALS A CASO SO S
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A	0947 094A 094C 094E 0950 0952 0954	AE EC ED AE AF 6F	C4 A O2 A 4F A C4 A C4 A C4 A C4 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U	PRINT LIST OF EXTERNALS
00404A 00405 00406 00407 00408A 00419A 00411A 00412A 00413A 00414A	0947 094A 094C 094E 0950 0952 0954 0957	AE EC ED AE AF 6F	0350 OC9A C4 A 02 A 4F A C4 A 44 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A	0947 094A 094C 094E 0950 0952 0954 0957	AE EC ED AE AF 6F	C4 A O2 A 4F A C4 A C4 A C4 A C8 15 A C8 2E A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00414A 00415A	0947 094A 094C 094E 0950 0952 0954 0957 095A	AE EC ED AE AF 6F 6F	C4 A O2 A 4F A C4 A C4 A C4 A C8 15 A C8 2E A O2B3 OC10	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO
00404A 00405 00406 00407 00409A 00410A 00411A 00412A 00413A 00413A 00415A 00416A	0947 094C 094C 0950 0952 0954 0957 095A 095D	AE EC ED AE AF 6F 6F 17	0350 OC9A C4 A 02 A 4F A C4 A 44 A C8 15 A C8 2E A 02B3 OC10 071C 107C	* PASS TWO * PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U STEP,U STARS,U DOPASS DATCOL	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT
00404A 00405 00406 00407 00409A 00410A 00411A 00412A 00413A 00414A 00416A 00417A	0947 0946 0946 0950 0952 0954 0957 095A 095D 0960	AE EC ED AE AF 6F 6F 17	C4 A O2 A 4F A C4 A C4 A C4 A C8 15 A C8 2E A O2B3 OC10	* PASS TWO * PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL ELANK
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00416A 00416A 00417A 00418A	0947 094A 094C 094E 0950 0952 0954 0957 095A 095D 0960 0963	AE EC ED AE AF 6F 17	0350 OC9A C4 A 02 A 4F A C4 A 44 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F OD02	* PASS TWO * PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00414A 00415A 00416A 00417A 00418A 00419A	0947 094A 094C 094E 0950 0952 0954 0957 095A 0960 0963 0967	AE EC ED AE AF 6F 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F 0D02 0872 11DC	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00413A 00416A 00416A 00417A 00418A 00419A 00420A	0947 094A 094C 0950 0952 0954 0957 095A 0963 0963 0967 096A	AE EC ED AE AF 6F 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F 0D02 0872 11DC 45 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR LBSR SETMSK LBSR FCC	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00414A 00415A 00416A 00417A 00418A 00419A 00420A 00421A	0947 094A 094C 0950 0952 0954 0957 095A 0963 0967 096A 096D	AE EC ED AE AF 6F 17 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F 0D02 0872 11DC 45 A 00 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00415A 00416A 00417A 00418A 00420A 00420A 00422A	0947 094A 094C 094E 0950 0952 0954 095A 095D 0963 0963 096A 096D 096E	AE EC ED AE AF 6F 6F 17 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F 0D02 0872 11DC 45 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR SETMSK LBSR FCC FCB LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00414A 00415A 00416A 00417A 00418A 00419A 00420A 00421A	0947 094A 094C 094E 0950 0952 0954 095A 095D 0963 0963 096A 096D 096E	AE EC ED AE AF 6F 6F 17 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F 0D02 0872 11DC 45 A 00 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LESR SETMSK LBSR FCC FCB	FIRLAB, U 2, X REALPC, U FIRLAB, U CURLAB, U STARS, U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00415A 00416A 00417A 00418A 00420A 00420A 00422A	0947 094A 094C 094E 0950 0952 0954 095A 095D 0963 0967 096A 096B 096E 0971	17 AE EC ED AF 6F 6F 17 17 17	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC1O O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11D8	* PASS TWO * LDX LDD STD DO2 LDX CLR CLR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR BSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00416A 00416A 00416A 00416A 00416A 00417A 00418A 00420A 00421A 00422A 00423A 00424A	0947 094A 094C 094E 0950 0952 0954 0957 0960 0963 0967 096A 096B 096E 0971 0973	17 AE EC ED AF 6F 17 17 17	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC10 O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11DB O3 O976 O266 OBDC	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR SETMSK LBSR FCC FCB LBSR BSR LBSR LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00416A 00417A 00418A 00419A 00420A 00421A 00422A 00423A 00423A	0947 094A 094C 094E 0950 0952 0954 0957 0960 0963 0967 096A 096B 096E 0971 0973	17 AE EC ED AF 6F 17 17 17	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC1O O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11D8 O3 O976	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR FCC FCB LBSR LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00416A 00417A 00418A 00419A 00420A 00421A 00422A 00422A 00423A 00425 00426	0947 094A 094C 094E 0950 0952 0954 0957 0960 0963 0967 096A 096B 0971 0973	17 AE EC ED AF 6F 17 17 17	0350 OC9A C4 A 02 A 4F A C4 A C4 A C8 15 A C8 2E A 02B3 OC10 071C 107C 039F OD02 0872 11DC 45 A 00 A 0867 11D8 03 0976 0266 OBDC	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR FCC FCB LBSR LBSR FCC FCB LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA TABLE	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00413A 00415A 00416A 00417A 00418A 00419A 00420A 00421A 00422A 00423A 00423A 004236 00426 00426	0947 094A 094C 094E 0950 0952 0954 0957 095A 0963 0967 096A 096B 096B 0971 0973	17 AE EC ED AF 6F 17 17 17	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC1O O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11DB O3 O976 O266 OBDC	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR LBSR FCC FCB LBSR FCC FCB LBSR BSR LBSR FCC FCB LBSR	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA TABLE	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00416A 00416A 00416A 00417A 00418A 00421A 00421A 00422A 00422A 00423A 00423A 00425 00426 00427 00428A	0947 094A 094C 0950 0952 0954 0957 095A 095D 0963 0967 096A 096D 096E 0971 0973	17 AE EC ED AF 6F 6F 17 17 17 17	O350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC10 O71C 107C O39F OD02 O872 11DC 45 A O0 A O867 11DB O3 O976 O266 OBDC C4 A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR BSR LBSR LBSR FCC FCB LBSR PCC FCB	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA TABLE FIRLAB,U	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00415A 00415A 00415A 00415A 00416A 00417A 00418A 00421A 00421A 00422A 00423A 00423A 00423A 00423A 00423A	0947 094A 094C 094E 0950 0952 0954 0957 095A 0960 0963 0967 096A 096B 0971 0973	AE EC ED AE AF 6F 6F 17 17 17 17 AE AE AF	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC1O O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11DB O3 O976 O266 OBDC C4 A C8 3A A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR FCC FCB LBSR BSR LBRA * PRINT XREF * PXREF LDX STX	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA TABLE FIRLAB,U XREFX,U	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT
00404A 00405 00406 00407 00408A 00410A 00411A 00412A 00413A 00415A 00416A 00416A 00416A 00417A 00418A 00421A 00421A 00422A 00422A 00423A 00423A 00425 00426 00427 00428A	0947 094A 094C 094E 0950 0952 0954 0957 095A 096A 096A 096E 0971 0973	17 AE EC ED AF 6F 17 17 17 17 AE AF 8D 16 AE AF	0350 OC9A C4 A O2 A 4F A C4 A C4 A C8 15 A C8 2E A O2B3 OC1O O71C 107C O39F ODO2 O872 11DC 45 A O0 A O867 11DB O3 O976 O266 OBDC C4 A C8 3A A	* PASS TWO * LDX LDD STD DO2 LDX STX CLR CLR LBSR LBSR LBSR SETMSK LBSR FCC FCB LBSR BSR LBSR LBSR FCC FCB LBSR PCC FCB	FIRLAB,U 2,X REALPC,U FIRLAB,U CURLAB,U SSTEP,U STARS,U DOPASS DATCOL LABEL2 13 PDATAI /END/ O CRLF PXREF RESTA TABLE FIRLAB,U	PRINT LIST OF EXTERNALS NOT SINGLE STEPPING NOT BACKTRACK FIELD DO PASS TWO PRINT DATA FOR END STMT LEAVE LABEL BLANK ALWAYS PRINT PRINT "END" STMT

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PAGE
      008
          O:GENBO.TXT
                        THE MICRO WORKS
          GEN80: SOURCE GEN V I.3
00432A 0980 26
                     0984
                02
                                 BNE
                                        XREF5
00433A 0982 86
                02
                                 LDA
                        A
                                        #2
                                        CNT, U
CRLF
                C8 3F
00434A 0984 A7
                        A XREF5
                                 STA
00435A 0987 17
                084E 11D8
                                 LBSR
                0163 OAFO XREF2
00436A 098A 17
                                 LBSR
                                        PASCHK
                                                 STEP/BREAK
00437A 098D AE
                C8 3A A
                                 LDX
                                        XREFX.U
00438A 0990 AC
                42
                        Α
                                 CPX
                                        LASLAE, U
00439A 0992 26
                OA
                     099E
                                 BNE
                                        XREF3
00440A 0994 AE
                46
                        Α
                                 LDX
                                        BOTEXT U
00441A 0996 AF
                C8 3A
                        Α
                                 STX
                                        XREFX.U
00442A 0999 17
                083C 11D8
                                 LBSR
                                        CRLF
00443A 099C 20
                DD
                     097B
                                 BRA
                                        XREF1
00444A 099E AC
                48
                        A XREF3
                                 CPX
                                        TOPEXT, U
00445A 09A0 27
                1 B
                     09BD
                                 BEQ
                                        XREF4
00446A 09A2 17
                0575 OF1A
                              LBSR
                                        PRLAB
                                                 PRINT XREF LABEL NAME
00447A 09A5 17
                07EB 1193
                                 LBSR
                                        OUTSP
00448A 09A8 AE
                              LDX
                C8 3A
                        Α
                                        XREFX_U
00449A 09AB 30
                04
                        Α
                                 LEAX
                                        4.X
00450A 09AD 17
                07DF 118F
                                 LBSR
                                        OUTADR
                                                 XREF TOP OF THREAD
00451A 09B0 AF
                C8 3A A
                            STX
                                        XREFX.U
00452A 09B3 17
                07D5 118B
                                 LBSR
                                        OUTSP2
                                                 PRINT 2 SPACES
00453A 09B6 6A
                C8 3F A
                                 DEC
                                        CNT, U
00454A 09B9 26
                CF
                     098A
                                 BNE
                                        XREF2
00455A 09BB 20
                BE
                     097B
                                 BRA
                                        XREF1
                0818 11D8 XREF4 LERA CRLF
00456A 09BD 16
00457
00458
                            INPUT LINE AND PARSE
00459
                FC4B 060E ITYPE1 LBSR LINEIN
00460A 09C0 17
                                                 $$$$
00461A 09C3 25
                29
                     O9EE
                           BCS BRAK
00462A 09C5 8E
                02DD
                       Α
                                 LDX
                                        #INBUF
00463A 09CB 17
                009C 0A67
                                 LBSR GNUM
00464A 09CB 26
                     09CF
                02
                                 BNE
                                        IERR
00465A 09CD 5D
                                 TSTE
00466A 09CE 39
                          ITRTS
                                 RTS
00467
                          ¥
00468A 09CF
                          IERR STRG
                                                A NUMBER OR RETURN), RET
                                     (ENTER
00469A 09EC 20
                D2
                     09CO BRA
                                      ITYPE1
00470
00471
                          * BREAK KEY ON INPUT
00472
                          *
00473A 09EE
                          BRAK
                                 STRG (**
                                                 BREAK **) RET
00474A 09FE 16
                FC5B 065C
                          LBRA START1
00475
00476
                             GET AN AREA PARAMETER
00477
                FCOA 060E ITYPE2 LBSR CLINEIN
00478A 0A01 17
                                                 X $$$$
00479A 0A04 25
                     09EE
                E8
                                 BCS
                                        BRAK
                                                 WAS THERE A BREAK?
00480A 0A06 BE
                OSDD
                        Α
                              LDX
                                        #INBUF
00481A 0A09 A6
                80
                        Α
                             LDA
                                        X+
                                                 GET FIRST CHAR
00482A 0A0B 27
                C1
                     09CE
                                 BEQ
                                        ITRTS :
                                                NOTHING ON LINE
00483A 0A0D A7
                C8 39
                                        TYPE,U
                        Α
                             STA
00484A 0A10 B1
                3F
                        Α
                                 CMPA
                                        #17
                                                ASKING FOR TABLE DUMP?
00485A 0A12 27
                51
                     0A65
                            BEQ
                                        TYP3Y
00486A 0A14 A6
                80
                               LDA
                                                SECOND LETTER
                        Α
                                        . X+
00487A 0A16 B1
                20
                     Α
                                 CMPA
                                        #$20
                                                MUST BE SPACE
                              BNE
00488A 0A18 26
                80
                     0A22
                                        IERR2
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PAGE 009 0:GEN80.TXT THE MICRO WORKS
GEN80: SOURCE GEN V I.3

The second secon	
00489A 0A1A 8D 4B 0A67 BSR GNUM	GET A NUMBER
00490A 0A1C 26 04 0A22 BNE IERR2	THE RESIDER STATES OF STAT
00491A OA1E 5D TSTB	 A second of the s
00492A 0A1F 27 01 0A22 BEQ IERR2	
00493A 0A21 39 RTS	
00494 *	
004074 0400	
THILL WIND A DRILL	
00496A 0A3D 20 C2 0A01 BRA TTYPE2	
* 100497	· · · · · · · · · · · · · · · · · · ·
00498A 0A3F 17 FECC 060E ITYPE3 LBSR LINEIN	I YES/NO " LE BERG AMATRIC
00499A 0A42 25 AA 09EE BCS BRAK	
00500A 0A44 B6 02DD A LDA INBUF	
00501A 0A47 27 1D 0A66 BEQ TYP3R	DEFAULT?
00502A 0A49 81 59 A CMPA #'Y	WAS IT YES? IF ARMY REMAINS
00503A 0A4B 27 18 0A65 BEQ TYP3Y	
00504A 0A4D 81 4E A CMPA #'N	OR "NO"?
00505A 0A4F 27 13 0A64 BEQ TYP3N	
OO506A OA51 STRG (ENTER	
00507A 0A62 20 DB 0A3F BRA ITYPE3	
00509	
	그는 병이 있는 사람들이 생각하다고 함께 회사되었다면 그
The second secon	a Aria Abrahai Airania (Atlatic)
00511A 0A66 39 THE REAL TYPER RTS	
* * *	
	NPUTUARY SO IS LOSD KOTEKS!
00514 AND VAS * 1 0 0 192	
00515A 0A67 CC 0000 A GNUM LDD 100 #0	
00516A 0A6A 34 06 A MOSE PSHS COD	INITIALIZE TOTAL
00517A 0A6C A6 84 A LDA X	
00518A 0A6E 81 2E A CMPA 41. 2000	GET A CHARACTER
00518A 0A6E 81 2E A CMPA #1. 2020 00519A 0A70 27 30 0AA2 BEQ GDEC	GET A CHARACTER DECIMAL INPUT?
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 0AA2 BEQ GDEC	GET A CHARACTER DECIMAL INPUT?
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 0AA2 BEQ GDEC 00520A 0A72 A6 80 A GNUM2 LDA .X+	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 0AA2 BEQ GDEC 00520A 0A72 A6 80 A GNUM2 LDA .X+ 00521A 0A74 81 30 A CMPA #'0	GET A CHARACTER DECIMAL INPUT?
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 0AA2 BEQ GDEC 00520A 0A72 A6 80 A GNUM2 LDA .X+ 00521A 0A74 81 30 A CMPA #'0 00522A 0A76 25 27 0A9F BLO GNUM3	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 OAA2 BEQ GDEC 00520A 0A72 A6 80 A GNUM2 LDA X+ 00521A 0A74 81 30 A CMPA #'0 00522A 0A76 25 27 OA9F BLO GNUM3 00523A 0A78 81 39 A CMPA #'9	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
OO518A OA6E 81 ZE A CMPA #'. OO519A OA7O 27 30 OAA2 BEQ GDEC OO52OA OA72 A6 80 A GNUM2 LDA .X+ OO521A OA74 81 30 A CMPA #'0 OO522A OA76 25 27 OA9F BLO GNUM3 OO523A OA78 81 39 A CMPA #'9 OO524A OA7A 23 OA OA86 BLS GNUM4	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
OO518A OA6E 81 ZE A CMPA #'. OO519A OA7O Z7 30 OAAZ BEQ GDEC OO52OA OA7Z A6 80 A GNUMZ LDA .X+ OO521A OA74 81 30 A CMPA #'0 OO52ZA OA76 Z5 Z7 OA9F BLO GNUM3 OO5Z3A OA78 81 39 A CMPA #'9 OO5Z4A OA7A Z3 OA OA86 BLS GNUM4 OO5Z5A OA7C 81 41 A CMPA #'A	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
00518A 0A6E 81 2E A CMPA #'. 00519A 0A70 27 30 OAA2 BEQ GDEC 00520A 0A72 A6 80 A GNUM2 LDA X+ 00521A 0A74 81 30 A CMPA #'0 00522A 0A76 25 27 OA9F BLO GNUM3 00523A 0A78 81 39 A CMPA #'9 00524A 0A7A 23 OA OA86 BLS GNUM4 00525A 0A7C 81 41 A CMPA #'A 00526A 0A7E 25 1F OA9F BLO GNUM3	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER
OO518A OA6E 81 ZE A CMPA #'. OO519A OA7O Z7 30 OAAZ BEQ GDEC OO52OA OA7Z A6 80 A GNUMZ LDA X+ OO521A OA74 81 30 A CMPA #'0 OO52ZA OA76 Z5 Z7 OA9F BLO GNUM3 OO5ZA OA78 81 39 A CMPA #'9 OO5Z4A OA7A Z3 OA OA86 BLS GNUM4 OO5Z5A OA7C 81 41 A CMPA #'A OO5Z6A OA7E Z5 1F OA9F BLO GNUM3 OO5Z7A OA8O 81 46 A CMPA #'F	GET A CHARACTER DECIMAL INPUT? GET A CHARACTER STORE
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	ADOI	J 7			RTS	20 a.J. 2012		
00647			Taribi (1946) An Araga da da Araga da Ar	4/ 并 387 ————————————————————————————————————	ray e O se se			発展的では
00648			e Palak ker		NGE FOR	MAT MODES	A 图图 内部 内部 中央企会	450194
00649			THANSA SE	H* U.84	444	원 시장		ARCHIO
00650A	0882	6F	CB 29 A	STFULL	CLR	SCANND U	FULL MODE # 16 0800	\$\$6X0a
00 651A			77EF A		LDD	#\$77EF	- 1420 ES NA ESDA	AGUSTOS
00652A			CB 28 A		STA	FULLMD, U	A SE DE CEDA	H10500
						-		maga un a tantal. La mula alfan una
00653A	dbav	ZU:	23 OBBO		BRA	SEMODE	- A - 50 - 68 TYPE	
00654			er ge <u>rat</u> egenere gerege ger	- ★ - 1140 #8*				ailyoo
00655A				STSCAN	LDD	#\$ABOD	SCAN MODE	55 (S.C.)
00 656A	0 B9 0	A7	CB 29 A		STA	SCANMD, U	ando to or more	461700
00657A	0893	20	18 OBAD		BRA	SSMODE		ARTON
00658		-	at váció	I. HY		48 0805		
00659A	Opas	CC	3015 A	STDEFL			DEEVILLE MODE	
MEDOO	~ <u>~</u>	~~	UVIU H	SIDELF	רוויו	#\$3015	DEFAULT MODE	

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PAGE
      012
           O:GENBO.TXT
                        THE MICRO WORKS
           GEN80: SOURCE GEN V I.3
00660A 0B98 20
                10
                     OBAA
                                BRA
                                       SCMODE
00661
00662A 0B9A CC
                3000
                        A STREAS LDD
                                       #$3000
                                               REASSEMBLY - NO DATA COLS
00663A 0B9D A7
                C8 29
                        Α
                                STA
                                       SCANMD.U
00664A 0BA0 20
                OB OBAD
                           BRA
                                       SSMODE
00665
00666A 0BA2 CC
                3041
                        A STXREF LDD
                                       #$3041
                                               XREF MODE
00667A 0BA5 20
                OBAA
                                BRA
                                     SCMODE
00668
00669A 0BA7 CC
                3060
                        A STREFX LDD
                                       #$3060
                                               REFERENCE MODE
00670A 0BAA 6F
                CB 29
                       A SCMODE CLR
                                       SCANMD_U
00671A OBAD 6F
                C8 28
                       A SSMODE CLR
                                       FULLMD U
00672A 0BB0 ED
                C8 25 A SEMODE STD
                                       CURMSK . U
00673A 0BB3 39
                                RTS
00674
                         ¥
00675
                            BREAK KEY WHILE PRINTING
00676
00677A 0BB4 A6
                C8 11 A BREAK LDA
                                      PASS. U
00678A 0BB7 26
                21
                     OBDA
                                BNE
                                       P2B
00679A 0BB9
                                STRC
                                             BREAK IN PASS ONE ***) RET
                                       (***
00680A 0BD7 16
                FA82 065C
                               LBRA
                                       START1
00681
                   apayapayar 🗀 🗱
00682A OBDA 32
                      A P2B LEAS
                                       4.S RET FROM PASCHK & DOPASS
00683
                         *
00684A OBDC
                      RESTA
                                STRG
                                     (RESTART WHERE? )
00685A OBEF 17
                FDCE 09C0
                           LBSR
                                       ITYPE1
00686A 0BF2 26
                17 OCOB
                              BNE
                                     P2B2
00687A 0BF4
                                STRG
                                      (***
                                               RESTART ***), RET
00688A 0C08 16
                FA51 065C
                                LBRA
                                      START1
00689
                      *
00690A OCOB AF
                       A P2B2
                                STX
                                      REALPC, U
00691A 0C0D 16
                FD40 0950 LBRA
                                      D02
00692
00693
              Bare Tirkyyk
00694
                            CONTROL LOOP TO DISASSEMBLE LINE
00695
00696A 0C10 17
                FEDD OAFO DOPASS LBSR PASCHK
                                               PAUSE/BREAK TEST
00697A 0C13 AE
                44 A
                            LDX
                                      CURLAB.U CURRENT LABEL
00698A 0C15 AC
                42
                       Α
                                      LASLAB, U END OF TABLE?
                                CMPX
00699A 0C17 22
                47 0060
                            BHI
                                               LEAVE IF SO
                                      RTS2
00700A 0C19 EC
                02
                       A
                             LDD
                                      2,X ADDRESS OF LABEL
00701A OC1B A3
                             SUBD
                                      REALPC, U ARE WE THERE?
                4F
                       Α
00702A 0C1D 22
                    OC33
                14
                            BHI
                                      DOPAS2
00703A 0C1F 6F
                C8 14
                       A
                                CLR
                                      TFLAG U IN CASE A "T" AREA
00704A 0C22 A6
                84
                       Α
                                LDA
                                      X
                                               GET TYPE
00705A 0C24 84
                7F
                       Α
                           ANDA
                                      #$7F
                                              MASK XREF BIT
00706A 0C26 A7
                C8 38
                       Α
                                STA
                                      DAREA U NEW AREA TYPE
00707A 0C29 81
                45
                      A
                            CMPA
                                      #'E "END"?
0070BA 0C2B 27
                33
                    0060
                            BEQ
                                      RTS2
00709A 0C2D EC
                4F
                     Α
                            LDD
                                      REALPC, U
00710A 0C2F A3
                02
                       Α
                             SUBD
                                      2.X
                                              ARE WE PAST IT?
00711A 0C31 26
                04
                    0037
                                BNE
                                      DOPAS5
00712A 10C33 BD
                31 OC66 DOPAS2 BSR
                                      DOLINE
                                               DISASSEMBLE THE LINE
00713A 0C35 20
                D9
                    0010
                         BRA
                                      DOPASS
                                               AND LOOP
00714
00715
                            GONE PAST A LABEL - IGNORE IT?
00716
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00717A	0037	1083	0005 A	DOPAS5	CMPN	· * 5	FAR PAST IT?	
0071BA			06 0043		BLO	DOPAS7	Age to the second	ikan menangan sebagai sebagai Sebagai sebagai sebaga
00719A			06 A		LEAX	6, X	MOVE TO NEXT LABEL	
00720A			44 A		STX			in August Brown State State The Common State Sta
00721A			CD OC10			CURLAB, U		
00722	0041	20	CD 0C10	uži u A Taluži.	BRA	DOPASS	AND FORGET IT	
							· 基础 · · · · · · · · · · · · · · · · · ·	
00723					E PAST	A LABEL -	PRINT EXTRA LINE	
00724				#		9.1		
00725A			C8 29 A	DOPAS7	TST	SCANMD, U		
00726A			19 0061		BNE	DOPAS1	DON'T GO BACK IN SCA	N MODE
00727A			4F A		LDD	REALPC, U		.5491100
00728A	OC4A	34	06 A		PSHS	D	SAVE PC	ACCTOC
00729A	OC4C	EC	02 A	343	LDD	.2,X	AFRA Fras In Bein	e Avi Violo
A08700	OC4E	ED	4F A	CATA	STD	REALPC, U		6181 (a.
00731A			01 A		LDA	*1		ASSTOC
00732A			C8 2E A		STA	STARS, U		5000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000
00733A		8D	OF OCE	n enganga	BSR			
00734A		35				DOLINE		
				ala Tanàna mandri	PULS	ii D		なよを誓わる。
00735A		ED			STD	REALPC.U	- Para Garage - Li Paroé -	hsevec
00736A			C8 2E A		CLR	STARS, U	CLEAR FLAG DE PAGE	
00737A		20	BO OCIO	H. YHBS		DOPASS	AND LOOPS THE MODE	AFRICO
0073 8A	0050	39		RTS2	RTS	9.1	· 疫質素的。 文字科學 100 不足 (整数数数)	AUGUST CAU
00739				# .77	ca i	#16F	ears in second	aarino
00740A	0061	17	03C6 102A	DOPAS1	LBSR :	EQUS	PRINT "EQU *-n"2420	A Proposition
00741A	0064	20	AA OC10		BRA	DOPASS	LOOP FOR NEXT LINE	
00742			,	*			Door Ton HEAT DINE	- 보고 1945. - 본문학() 8:
00743						E AS RMB.	STRING, OR DATA/CODE	
00744		530344	a distributant	*	uooriibi	i mo mie,		
00745A	0066	erc :	4F		na na			
00746A			, = -	DOLINE		REALPC.U		25)06(00°
00747A				en de la	ADDD			150800 -
0074BA			4D A	411984	STD	PRC,U		
		A6	CB 3B A	4	LDA	DAREA, U		aloŝeo -
00749A			56 W A	U SAJAU	CMPA	୍#'V		130800
00750A				90.33		RMB	IF SO, PRINT "RMB"	470800 -
00751A			53 A A		CMPA	∄#'S	IS IT A STRING	100000
00752A			OF 0C89		BNE	DOPASS		3.朝台总台。 3.
00753A			4D A	aria de la composição d	LDX	PRC,U	nga sa kawa na kabula	
00754A	0070	A6	84 A		LDA	o,x	GET THE CHARACTER	
00755A	OC7E	81		n Herri		#\$20	IT IT TEXT?	Markin Kurusa Sinakan
00756A	OCBO	25	07 0089			DOPASS	DO FCB IF NOT	
00757A			7F A		CMPA			
0075BA			03 0089			DOPASS		
007 59 A			015E ODE7		LERA			William
00760	VC00	10	OTOE ODE!	Light of States Allig		FCC	IF TEXT, DO FCC	
				* // 50.				
00761				* NORI	AAL INS	TRUCTION (OR DATA	STEELS
00762				* 1000	역 - 기자	RJ SJTS-, t	AR OF THESE TO BOSTO	W 650 A
00763A			02D5 0F61	DOPAS3	LBSR	LOOKOP	FIND TYPE OF OPERATI	ON
00764A		17	0121 ODBO	- 45970	LBSR	GENOPN	BUILD OPERAND OUTPUT	arqaan.
00 765A			03F3 1085	4.171	LBSR	PRDATC	PRINT DATA ROW DOGG	
00766A	0092	8D	4B OCDF		BSR	LABEL.	PRINT LABEL TOTAL	Arrian John
00767A	0C94	17	00BA 0D51	9,8415	LBSR	PRINTI.	PRINT SOURCE OF LINE	er i filosofia ar estado. El parte de al filosofia
00768A			OIAI OE3B		LBRA	BUMPPC	UPDATE PC AND RETURN	rentras Calif. 1944 Transportant
00769	·			*			CIDATE IC MAD RETURN	
00770					ERNAL L	Ter es e		59,900 ·
00771				*				Valent
00772A	ዕሮዋል	EC .	₽ ₽ ₽ ₽ : ∴∧		I DD	CHOMOLOGI		45860
00773A				EAIEKN			Not Report to the control of the con	
OULCOH	CSD	93	10 A		BITA	· 帝\$10	BIT 12 = LABEL	

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	EN V 1.3	
00774A 0C9F 27 3D 0CDE	BEQ	X2 Some FORGET IT IF NO LABELS
00775A OCA1 AE 46 A		OTEXT.U - TOKOLI TI TE NO LABELS THE
OO776A OCAS AF CB SA A		CREFX.U
00777A 0CA6 17 FE47 0AF0		
		REFX, U TO THE A HOUSE A SECOND ASSESSMENT
00779A OCAC AC 48 A		OPEXT, U
00780A OCAE 27 2E OCDE		X2 DONE?
00781A 0CB0 AE 02 A		2. X
00782A 0CB2 AF 4F A		EALPC, U B WE THAT WELFELD
00783A 0CB4 17 03C5 107C		ATCOL PRINT DATA COLUMNS AREA (A)
00784A OCB7 AE CB 3A A		REFX.U & DE BADE & SECO
OO785A OCBA	SETMSK 1	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
00786A OCBE 17 0259 OF1A	LBSR F	RLAB PRINT EXT SYMBOL OF ARREST
00787A 0CC1 17 0518 11DC	LBSR P	DATAI 4 HA CELERGO POSTOR.
00788A 0CC4 20 A	FCC /	'EQU \$/- 10 08 0800 Alarbo
00789A OCCB 80 00 A	FCB	
OO790A OCCC AE CB 3A A		REFX.U 1800 LA SESSO ASSAVOS
00791A OCCF 30 02		X EO DE TROP ANTROS
00792A OCD1 17 04BB 118F		UTADR PRINT EXTERNAL ADDRESS
00793A OCD4 30 02 A		X a de 20 Re seo Aspens
00794A OCD6 AF CB 3A A		REFX,U 2707 05 05 BODO ATOMOS
00795A 0CD9 17 04FC 11D8		RLFATTE SO OBOA AGETOD
00796A 0CDC 20 CB 0CA6		
00797A OCDE 39	EX2 RTS	
00798" "002.0 foods done hans	* 0000000 300	
00799	* PRINT LABEL	
00801A OCDF AE 44 A	LABEL LDX C	MIDIAD II CHADENT IADDI
		CURLAB, U CURRENT LABEL
00802A 0CE1 AE 02 02 00 A	O OBLIGHTLDX OR 2	ADDRESS OF LABEL 19 19 19 19 19 19 19 19 19 19 19 19 19
00802A 0CE1 AE 02 A 00803A 0CE3 AC 4F A	F DAMAGG LDX FOR 2 F YOU'R K CPX GOOR	
00802A OCE1 AE 02 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B OD02	LDX 2 CPX R BHI L	EALPC.U ARE WE THERE? ABEL2
00802A 0CE1 AE 02 A 00803A 0CE3 AC 4F A	F DAUGEGLDX DE.Z F YERGEGCPX GEGR	EALPC.U ARE WE THERE? ABEL2
00802A OCE1 AE 02 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B OD02	LDX 2 CPX R BHI L SETMSK 1	EALPC.U ARE WE THERE? ABEL2
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7	LDX 2 CPX R BHI L SETMSK 1 LDX C	EALPC.U ARE WE THERE? ABEL2 2
00802A OCE1 AE 02 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P	2,X ADDRESS OF LABEL EALPC.U ARE WE THERE? ABEL2 2 CURLAB.U CURRENT LABEL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B OD02 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B OD02 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR 0 SETMSK 1	EALPC.U ARE WE THERE? ABEL2 2 CURLAB.U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B OD02 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCF0 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR 0 SETMSK 1 LBSR 0	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCF0 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC "	EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE 1 OUTCHR PRINT DASH IF NOT LABEL MODE -"
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC "	ADDRESS OF LABEL EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL CURLAB PRINT LABEL CUTSP PRINT SPACE 1 CUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 06 A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR 0 SETMSK 1 LBSR 0 FCC " LDX C LDX C	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL CRLAB PRINT LABEL OUTSP PRINT SPACE 1 OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB.U BUMP TO NEXT LABEL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 06 A 00814A OCFF AF 44 A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR 0 SETMSK 1 LBSR 0 FCC " LDX C LEAX 6	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL CRLAB PRINT LABEL OUTSP PRINT SPACE 1 OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB.U BUMP TO NEXT LABEL CURLAB.U
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR C SETMSK 1 LBSR C FCC " LDX C LEAX 6 STX C RTS	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE 1 OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB.U BUMP TO NEXT LABEL CURLAB.U
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816	LDX 2 CPX R EHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC " LDX C LDX C STX C RTS	EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL PLAB PRINT LABEL OUTSP PRINT SPACE 1 OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL CURLAB,U BUMP TO NEXT LABEL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC " LDX C LDX C RTS * * DON'T PRINT	EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL CURLAB,U CURLAB,U LABEL
00802A 0CE1 AE 02 A 00803A 0CE3 AC 4F A 00804A 0CE5 22 1B 0D02 00805A 0CE7 00806A 0CEB AE 44 A 00807A 0CED 17 022A 0F1A 00808A 0CF0 17 04A0 1193 00809A 0CF3 00810A 0CF7 17 04D6 11D0 00811A 0CFA 2D A 00812A 0CFB AE 44 A 00813A 0CFD 30 06 A 00814A 0CFF AF 44 A 00815A 0D01 39 00816 00817 00818	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC " LDX C LDX C FCC " TDX C TTX C STX C RTS * * DON'T PRINT	EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL CURLAB,U LABEL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC " LDX C LDX C RTS * * DON'T PRINT * LABEL2 LBSR P	ADDRESS OF LABEL EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL CUTSP PRINT LABEL CUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE CURLAB,U BUMP TO NEXT LABEL CURLAB,U CUR
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5	LDX 2 CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C SETMSK 1 LBSR C FCC " LDX C LBSR C FCC " LDX C LEAX 6 STX C RTS * * DON'T PRINT * LABEL2 LBSR P SETMSK 1	EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL PRINT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE "CURLAB.U BUMP TO NEXT LABEL CURLAB.U BUMP TO NEXT LABEL CURLAB.U CURL
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO9 17 O47B 1187	LDX CPX R BHI L SETMSK 1 LDX C LBSR P LBSR O SETMSK 1 LBSR O FCC LDX FCC LDX FCC T LDX C RTS * * DON'T PRINT * LABEL2 LBSR P SETMSK 1 LBSR O	ADDRESS OF LABEL EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL CUTSP PRINT LABEL CUTSP PRINT SPACE CUTCHR PRINT DASH IF NOT LABEL MODE CURLAB.U BUMP TO NEXT LABEL CURLAB.U CUR
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO9 17 O47B 1187 00822A ODOC 17 O484 1193	LDX CPX REHI L SETMSK 1 LDX COX LESR PLESR COX LESR COX LEAX COX RTS * DON'T PRINT * LABEL2 LESR PLESR COX LESR COX LES	ADDRESS OF LABEL EALPC.U ARE WE THERE? ABEL2 CURLAB.U CURRENT LABEL PUTSP PRINT LABEL OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB.U BUMP TO NEXT LABEL CURLAB.U CUR
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO9 17 O47B 1187 00822A ODOF	LDX CPX REHI L SETMSK 1 LBSR CO FCC "LDX CO FCC "CO FCC "LDX CO FC	ADDRESS OF LABEL EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL CUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL CURLAB,U LABEL ASS2C ONLY ON PASS 2 CUTSPS SPACE OVER LABEL FIELD CUTSP 1
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO9 17 O47B 1187 00823A ODOF 00824A ODI3 16 O47D 1193	LDX CPX REHI L SETMSK 1 LDX CESR PERSON CESTMSK 1 LESR CESTMSK 1 LEAX CESTMSK 1 LEAX CESTMSK 1 LESR CESTMSK 1 LESP CESTMSK 1 LESR CESTMSK 1 LESR CESTMSK 1 L	ADDRESS OF LABEL EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE OURLAB,U BUMP TO NEXT LABEL CURLAB,U LABEL ASS2C ONLY ON PASS 2 OUTSP SPACE OVER LABEL FIELD OUTSP OUTSP SPACE INSTEAD OF DASH
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO9 17 O47B 1187 00823A ODOF 00824A ODOF	LDX CPX R BHI L SETMSK 1 LDX C LBSR P LBSR C SETMSK 1 LBSR C FCC " LDX C LDX C FCC " LDX C RTS * * DON'T PRINT * LABEL2 LBSR P SETMSK 1 LBSR C LBSR C SETMSK 1 LBSR C SETMSK 1 LBSR C SETMSK 1 LBSR C	ADDRESS OF LABEL EALPC,U ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE -" CURLAB,U BUMP TO NEXT LABEL ASS2C ONLY ON PASS 2 UTSP5 SPACE OVER LABEL FIELD OUTSP 1 UTSP SPACE INSTEAD OF DASH
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO5 00821A ODOF 047B 1187 00823A ODOF 00824A OD13 16 O47D 1193 00825 00826	LDX CPX R BHI L SETMSK 1 LDX LBSR C LBSR C SETMSK 1 LBSR C FCC LDX C LDX C LEAX STX RTS * * DON'T PRINT * LABEL2 LBSR SETMSK 1 LBSR C C LBSR C C C C C C C C C C C C C C C C C C C	ADDRESS OF LABEL ARE WE THERE? ABEL2 CURLAB, U CURRENT LABEL ARAB PRINT LABEL ARAB PRINT DASH IF NOT LABEL MODE CURLAB, U BUMP TO NEXT LABEL ASS2C ONLY ON PASS 2 CURLAB, U
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO5 00821A ODO7 00823A ODOF 00823A ODOF 00823A ODOF 00825 00826 00827	LDX CPX R BHI L SETMSK 1 LDX LBSR C LBSR C SETMSK 1 LBSR C FCC LDX C LDX C LEAX STX RTS * * DON'T PRINT * LABEL2 LBSR SETMSK 1 LBSR C LBSR C LBSR C SETMSK 1 LBSR C SETMSK 1 LBSR C C SETMSK 1 LBSR C C SETMSK 1 LBSR C C C C C C C C C C C C C C C C C C C	ADDRESS OF LABEL ARE WE THERE? ABEL2 CURLAB, U CURRENT LABEL ARAB PRINT LABEL ARAB PRINT DASH IF NOT LABEL MODE CURLAB, U BUMP TO NEXT LABEL ASS2C ONLY ON PASS 2 CURLAB, U
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO5 00821A ODO5 00823A ODOF 00823A ODOF 00824A OD13 16 O47D 1193 00825 00826 00827 00828	LDX CPX R BHI L SETMSK 1 LDX LBSR P LBSR O SETMSK 1 LBSR O FCC LDX C LDX STX RTS * * DON'T PRINT * LABEL2 LBSR SETMSK 1 LBSR O LBSR O LBSR O SETMSK 1 LBSR O LBSR O SETMSK 1 LBSR O LBSR O SETMSK 1 LBSR O SETMSK 1	ADDRESS OF LABEL ARE WE THERE? ABEL2 CURLAB,U CURRENT LABEL PRINT SPACE TOUTCHR PRINT DASH IF NOT LABEL MODE CURLAB,U BUMP TO NEXT LABEL CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLAB,U CURRENT LABEL MODE CURLAB,U CURLA
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO5 00821A ODO7 00823A ODOF 00823A ODOF 00823A ODOF 00825 00826 00827	LDX CPX R BHI L SETMSK 1 LDX LBSR P LBSR O SETMSK 1 LBSR O FCC LDX C LDX C LDX STX RTS * * DON'T PRINT * LABEL2 LBSR SETMSK 1 LBSR O LBSR O SETMSK 1 LBSR O LBSR O SETMSK 1	ADDRESS OF LABEL ARE WE THERE? ABEL2 CURLAB, U CURRENT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE CURLAB, U BUMP TO NEXT LABEL CURLAB, U CURLAB,
00802A OCE1 AE O2 A 00803A OCE3 AC 4F A 00804A OCE5 22 1B ODO2 00805A OCE7 00806A OCEB AE 44 A 00807A OCED 17 O22A OF1A 00808A OCFO 17 O4AO 1193 00809A OCF3 00810A OCF7 17 O4D6 11D0 00811A OCFA 2D A 00812A OCFB AE 44 A 00813A OCFD 30 O6 A 00814A OCFF AF 44 A 00815A ODO1 39 00816 00817 00818 00819A ODO2 17 O4E5 11EA 00820A ODO5 00821A ODO5 00821A ODO5 00823A ODOF 00823A ODOF 00824A OD13 16 O47D 1193 00825 00826 00827 00828	LDX CPX R BHI L SETMSK 1 LDX LBSR P LBSR O SETMSK 1 LBSR O FCC LDX C LDX STX RTS * * DON'T PRINT * LABEL2 LBSR SETMSK 1 LBSR O LBSR O LBSR O SETMSK 1 LBSR O LBSR O SETMSK 1 LBSR O LBSR O SETMSK 1 LBSR O SETMSK 1	ADDRESS OF LABEL ARE WE THERE? ABEL2 CURLAB, U CURRENT LABEL OUTSP PRINT SPACE OUTCHR PRINT DASH IF NOT LABEL MODE CURLAB, U BUMP TO NEXT LABEL CURLAB, U CURLAB,

PAGE 015 0:GEN80.TXT THE MICRO WORKS GEN80: SOURCE GEN V I.3

OOB31A OD1B	SETMSK 13	ing and the state of the state
00832A 0D1F 17 04BA 11DC	LBSR PDATAI	PRINT "RMB"
00833A 0D22 52 52 A	FCC /RMB /	
00834A 0D27 00 A	FCB BO	- ''() '' (1) - '' (
		ANT ADDRESS OF NEVT LABEL
OOB36A OD2A EC O2 A	CALDD C2.X	GET ADDRESS OF NEXT LABEL
00837A 0D2C 1F 01 A	ESTETFR EED, X ABABA	
OOB3BA ODZE A3 4F A	SUBD REALPC, U	
00839A 0D30 AF 4F A		UPDATE PC TO NEXT LAB
00840A 0D32 1083 0009 A	177 GREE CHPD , 14 49 300	MORE THAN SINGLE-DIGIT?
00841A 0D36 22 09 0D41	BHI RMB4	新数数000mm
00842A 0D3851F3 598. 358.A	VESTFR MEB, Andres	10 1 NE 120 DE 00 LEVERSO
00843A 0D3A 8B 30 A	ADDA #\$30	MAKE NUMBER ASCII
00844A 0D3C 17 0456 1195	LBSR OUTEE	PRINT ITS AND MADE AND
00845A 0D3F 20 0D 0D4E	BRA RMB5	
,	RMB4 PSHS and Square	
00847A 0D43 17 048A 11D0	LBSR OUTCHR	PRINT \$ FOR HEX 1990 AND SOLUTION
00848A 0D46 24 A	AN ROYALS FCC DESCRIPTION	BWAS ST SE TEES SESSES
00849A 0D47 1F 41	E.TSX 3083	- 존
00850A 0D49 17 0443 118F	LBSR OUTADR	PRINTSAS 4-DIGIT HEX
00851A 0D4C 32 62 A	A ALBERTEAS BAZ,S	· 是
00852A 0D4E 16 0487 11D8	RMB5 LBRA CRLF	NEWOLINE AND LEAVE AND SERVICE
OO853 STYSS TORRESH TEXTS	* ENDTHO RAGI	BULL SONO YA WOOD ACTOR
00854	* PRINT SOURCE LINE	A 200 2000 A
00855	* Advore Light Agreem	a la so ca sesso Asistes
	PRINTL LBSR PASS2C	ONLY ON PASS 2
00857A 0D54 8D 33 0D89	WWW.BSR OFFRIMNE	PRINT MNEMONIC
00858A 0D56 6F C8 52 A		FORCE END-OF-STRING
00859A 0D59 6D C8 2B A	TST AGFULLMD, U	ROOM FOR WHOLE LINE?
	The stranger of the same of th	and the same of th
00860A 0D5C 26 03 0D61	ANDREBNE DEPL2	SECO PO TE GGO ATTROO
00861A 0D5E 6F CB 4B A	WORKCLR RESLBF+11,U	END-OF-STR AFTER 11 CHARS
00861A 0D5E 6F CB 4B A 00862A 0D61 30 CB 40 A	CLR LBF+11,U PL2 LEAX LBF,U	END-OF-STR AFTER 11 CHARS
00861A 0D5E 6F CB 4B A	WORKCLR RESLBF+11,U	END-OF-STR AFTER 11 CHARS
00861A 0D5E 6F CB 4B A 00862A 0D61 30 CB 40 A	CLR LBF+11,U PL2 LEAX LBF,U	END-OF-STR AFTER 11 CHARS
00861A 0D5E 6F CB 4B A 00862A 0D61 30 C8 40 A 00863A 0D64 17 047B 11E2	PL2 LEAX LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD
00861A 0D5E 6F CB 4B A 00862A 0D61 30 CB 40 A 00863A 0D64 17 047B 11E2 00864A 0D67 00865A 0D6B 6D CB 1C A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD
00861A 0D5E 6F CB 4B A 00862A 0D61 30 CB 40 A 00863A 0D64 17 047B 11E2 00864A 0D67 00865A 0D6B 6D CB 1C A 00866A 0D6E 27 12 0D82	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD
00861A 0D5E 6F CB 4B A 00862A 0D61 30 C8 40 A 00863A 0D64 17 047B 11E2 00864A 0D67 00865A 0D6B 6D CB 1C A 00866A 0D6E 27 12 0D82 00867A 0D70 AE 4B A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD
OO861A OD5E 6F CB 4B A OO862A OD61 3O C8 4O A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD
00861A 0D5E 6F CB 4B A 00862A 0D61 30 C8 40 A 00863A 0D64 17 047B 11E2 00864A 0D67 00865A 0D6B 6D CB 1C A 00866A 0D6E 27 12 0D82 00867A 0D70 AE 4B A 00868A 0D72 A6 80 A 00869A 0D74 17 03EC 1163	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC	PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO87OA OD77 A6 CB 1C A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U	PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 CB 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U DECA	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA PAC,U LBSR OUTASC LDA ALEN,U DECA BEQ PL4	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC	END-OF-STR AFTER 11 CHARS PRINT OPERAND FIELD PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC	PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII CHARS A A A A A A A A A A A A A A A A A A A
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 B0 A OO874A OD7F 17 O3E1 1163 OO875A OD82	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 LBSR OUTASC PL4 LBSR OUTASC	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII ASCIO GET NEXT BYTE PRINT ASCII
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE
00861A 0D5E 6F CB 4B A 00862A 0D61 30 CB 40 A 00863A 0D64 17 047B 11E2 00864A 0D67 00865A 0D6B 6D CB 1C A 00866A 0D6E 27 12 0D82 00867A 0D70 AE 4B A 00868A 0D72 A6 80 A 00869A 0D74 17 03EC 1163 00870A 0D77 A6 CB 1C A 00871A 0D7A 4A 00872A 0D7B 27 05 0D82 00873A 0D7D A6 80 A 00875A 0D82 00876A 0D86 16 044F 11D8 00877	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ALEN,U LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF *	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ALEN,U LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * PRINT MNEMONIC	PRINT ASCII EQUIVALENT PRINT ASCII EQUIVALENT PRINT ASCII EQUIVALENT PRINT ASCII EQUIVALENT PRINT ASCII
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC *	PRINT ASCII EQUIVALENT PRINT ASCII EQUIVALENT PRINT ASCII ASCII AS
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 B0 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * PRIMT MNEMONIC * PRIMNE SETMSK 13	PRINT ASCII EQUIVALENT
OO861A OD5E 6F CB 4B A OO862A OD61 30 CB 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO869A OD72 A6 B0 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 B0 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO881A OD8D E6 CB 1E A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER
OO861A OD5E 6F CB 4B A OO862A OD61 30 CB 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO869A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO881A OD8D E6 CB 1E A OO882A OD9O 86 O3 A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U LDA #3	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY
OO861A OD5E 6F CB 4B A OO862A OD61 30 CB 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO869A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO881A OD8D E6 CB 1E A OO882A OD90 86 O3 A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U LDA #3	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT CET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY FORM INDEX
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO881A OD8D E6 CB 1E A OO882A OD90 86 O3 A OO883A OD92 3D OO884A OD93 3O 8D O9D4	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA ,X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA ,X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC * PRIMNE SETMSK 13 LDA #3 LEAX MNETAB, PA	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY FORM INDEX
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D C8 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 C8 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 80 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO881A OD8D E6 C8 1E A OO882A OD90 86 O3 A OO883A OD92 3D OO884A OD93 30 8D O9D4 OO885A OD97 30 8B A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U LDA #3 MUL LEAX MNETAB, POLEAX D, X	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY FORM INDEX CR
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 B0 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO880A OD89 OO883A OD90 86 O3 A OO883A OD92 3D OO884A OD93 30 BD O9D4 OO885A OD97 30 BB A OO886A OD97 30 BB A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U LDA #3 MUL LEAX MNETAB,PO LEAX D,X LDB #3	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY FORM INDEX CR FORM ABSOLUTE POINTER LENGTH OF MNEMONIC
OO861A OD5E 6F CB 4B A OO862A OD61 30 C8 40 A OO863A OD64 17 O47B 11E2 OO864A OD67 OO865A OD6B 6D CB 1C A OO866A OD6E 27 12 OD82 OO867A OD7O AE 4B A OO868A OD72 A6 80 A OO869A OD74 17 O3EC 1163 OO870A OD77 A6 CB 1C A OO871A OD7A 4A OO872A OD7B 27 O5 OD82 OO873A OD7D A6 B0 A OO874A OD7F 17 O3E1 1163 OO875A OD82 OO876A OD86 16 O44F 11D8 OO877 OO878 OO879 OO880A OD89 OO880A OD89 OO883A OD90 86 O3 A OO883A OD92 3D OO884A OD93 30 BD O9D4 OO885A OD97 30 BB A OO886A OD97 30 BB A	CLR LBF+11,U PL2 LEAX LBF,U LBSR PDATA SETMSK 15 TST ALEN,U BEQ PL4 LDX PAC,U LDA X+ LBSR OUTASC LDA ALEN,U DECA BEQ PL4 LDA X+ LBSR OUTASC PL4 SETMSK 13 LBRA CRLF * * PRINT MNEMONIC * PRIMNE SETMSK 13 LDB MNENO,U LDA #3 MUL LEAX MNETAB,PO LEAX D,X LDB #3	PRINT OPERAND FIELD PRINT ASCII EQUIVALENT GET NEXT BYTE PRINT ASCII NEW LINE AND LEAVE MNEMONIC NUMBER THREE BYTES PER ENTRY FORM INDEX CR

```
00888A 0D9D 17
                           03F5 1195
                                                     LBSR OUTEE
                                                                               PRINT IT
                                                DECB
00889A ODAO 5A
00890A 0DA1 26
                           F8
                                   OD9B
                                                 BNE PRNTL2
                                                                               LOOP FOR THREE
00891A ODAZ A6
                           CB 1D A
                                                      LDA
                                                                 EXTRA, U 4th CHARACTER?
00892A 0DA6 26
                           02
                                ODAA
                                                BNE
                                                               PRNTL3
00893A ODAB 86
                           20
                               Α
                                                LDA
                                                                               ELSE A SPACE CONTROL
                                                                 #$20
00894A ODAA 17
                           OSES 1195 PRNTLS LBSR OUTEE
                                                                               PRINT 4th CHARACTER
00895A ODAD 16
                           OSES 1193 LBRA OUTSP
                                                                             SPACE AFTER MNEMONIC
00896
                                           *
OO897
00898
                                                 OPN LDA #$20 CLEAR LINE BUFFER LEAY LBF, U
00899A ODBO 86
                           20 A GENOPN LDA
                        C8 40 A
00900A ODB2 31
00901A 0DB5 34
                           20 A
                                                     PSHS Y
00902A ODB7 31
                          C8 54 A
A2 A GENOP2 STA A,-Y
E4 A CMPY O,S
F9 ODBA BNE GENOP2
A LEAS 22,S
TST NO OUTPUT
                           C8 54 A
                                                 TO LEAY RENDLEF, U LARRY (4)
00903A ODBA A7
                                                              TRY WEST BOOK TARO ARREST
00904A ODBC 10AC E4
00905A ODBF 26
00906A ODC1 32
00907A ODC3 A7
00908A ODC6 A6
                                             A LDA BABINDFLG,U A . BA SA DAGA AS
                           C8 36 A
00909A ODC9 27
                                                 LINBEO MARPRITLAND GARREN VALLO
                           04 ODCF
                                       DO LBSR OUT
A FCB '[
00910A ODCB 17
                           0402 11D0
                                                                 OUTCHR PRINT INDIRECT BRKTS
00911A ODCE
                           5B
                                       A PRNTL4 LDX
00912A ODCF AE
                           C8 19
                                                                 MODADR_U
                           0000 GEA GERRALDD FREMONTE OF THE STATE OF T
00913A ODD2 CC
                                              STD
                                                             REFX, U
00914A ODD5 ED
                           C8 3C A
00915A ODDB AD
                                JOSA J SAMOJSR
                           84
                                                             0. X
                                                                               DO THE MODE ROUTINES
                           CB 36 COA LONGUELDA
                                                              DE INDFLG.U 2 SS 80 de 8800 ARRECO
00916A ODDA A6
00917A ODDD 27
                                   ODE3
                                              BEQ
                                                             PRNTL5
                           O3EE 11DO LESS LBSR OUTCHR
00918A ODDF 17
                                                                               END BRACKET INDIRECT
                                             FCB A 1
00919A ODE2
                           5D A
00920A ODE3 6F CB 2B A PRNTL5 CLR SAVEIT, U RESTORE PRINTING
00921A ODE6 39
                                                    RTS
00922
00923
                                             PRINT TEXT STRING
00924
00925A ODE7 17
                           0292 107C FCC ***LBSR A@DATCOL
                                                                              PRINT DATA COLUMNS
                          FEF2 OCDF GASTELBSRESS LABEL PRINT LABEL OF SECOND ASSESSED
00926A ODEA 17
00927A ODED
                                              SETMSK 13
                                                    LBSR PDATAI PRINT "FCC" AN ANGEL RETURNS
00928A ODF1 17
                           03E8 11DC
                                                              FF/FCC / 5990 - 50 - 75 2760 497900
00929A ODF4
                           46
                                Α
                                                 FCC
                                                             . 0
                           00 A
00930A ODF9
                                                 FCB
                           44 A
                                             DESCRIPTION AND CURLABOU NEXT LABEL TO THESE SATISFIES
00931A ODFA AE
                                A
00932A ODFC EC
                           02
                                             LDD 2,X DON'T GO PAST THIS ADR
00933A ODFE A3
                                                 SUBD REALPC, U MAX STRING SIZE AND ARREST
                           4F A
00934A 0E00 1083 0008
                                     Α
                                                                 #8 DON'T GO OVER 8
                                                   CMPD
00935A 0E04 23
                           02 0E08
                                                  BLS FCC2
                                     A
00936A 0E06 C6
                           08
                                                     LDB
                                                                 #8
00937A 0E08 6F
                           C8 1B
                                       A FCC2 CLR LENGTH U
                          4D A CARALDX PRC,U ACTUAL DATA ADDRESS
00938A OEOB AE
                          80 A FCC3 LDA (X+ GET A BYTE 20 LS IT TEXT?
00939A 0EOD A6
00940A QEOF 81
00941A 0E11 25 OA 0E1D BLO FCC4
00942A 0E13 81 7F OA CMPA #$7F
00943A 0E15 24 06 0E1D BHS FCC4
00944A 0E17 6C CB 1B A INC LENGTH, U ONE MORE IN LENGTH
```

```
00945A 0E1A 5A
                                          THE COUNT DOWN OUR BEACH BANKS
                                                            BNE FCC3
LDA LENGTH,U LENGTH OF FINAL STRING
00946A 0E1B 26 F0 0E0D
00947A 0E1D A6
                              CB 1B A FCC4 LDA
                                                                                       MAKE ASCII
00948A 0E20 8B
                              30
                                            A ADDA
                                                                         #'O
                                                                                      PRINT IT
                                                         LBSR OUTEE
00949A 0E22 17
                               0370 1195
                              O3A8 11DO LBSR
2C A FCC
4D A LDX
CB 1B A LDB
00950A 0E25 17
                                                                         OUTCHR
                                                                                         AND A COMMA
00951A 0E28
                                                                        19 2 9
                                                                         PRC,U
00952A 0E29 AE
00953A 0E2B E6
                                                                         LENGTH_U
                              80 A FCC5 LDA , X+ GET A CHARACTER
0362 1195 LBSR OUTEE GUARANTEE PRINTABLE
00954A 0E2E A6
                              O362 1195 LBSR OUTEE CUARANTEE PRINTABLE
DECB 199 COUNT DOWN
00955A 0E30 17
00956A 0E33 5A BREETER BRAN
                                                       BNE FCC5 AND LOOP
BSR BUMPPC
                              F8 0E2E
00957A 0E34 26
00958A 0E36 8D
                              03 0E3B
00959A 0E38 16
                                                      (LBRA SCRLF
                              039D 11D8
00960
                                                * BUMP PC ADDRESS
00961
00962) MOAR OTH THE PROPERTY
                              CB 1B A BUMPPC LDB LENGTH, U LENGTH OF LAST INSTRUCTION
00963A 0E3B E6
00964A 0E3E 4F
                           4F A
                                                    CLRA
                                                            ADDD REALPC, U ADD TO LAST PC
00965A 0E3F E3
00966A 0E41 24 03 0E46 BCC BUMPP2 OO967A 0E43 CC FFFF A LDD #$FFFF HANG AT END OF MEM
OO968A OE46 ED 4F A BUMPP2 STD
OO969A OE48 39 RTS
OO970 * LOOK UP AND
                                                                         REALPC, U TO FORM NEW ONE
                                                     LOOK UP AND INSERT SYMBOL TO TABLE
00972
00973A 0E49 AE C4 A LOOKUP LDX FIRLAB,U
00974A 0E4B 10A3 02 A CMPD 2,X
00975A 0E4E 25 78 OECB BLO LOOKX
                                                  BLO LOOKX
00976A 0E50 AE 42 A
00977A 0E52 10A3 1C A
                                                      LDX LASLAB, U
                                                    SECONOMINATION OF THE PROPERTY OF THE PROPERTY
00978A 0E55 22 71 0EC8
00979
00980
                                                * INSERT TO LABEL TABLE (NOT EXT) as gone and one
00981
00982A 0E57 AE 42 A LOOKLA LDX LASLAB.U START AT END OF TABLE
00983A 0E59 34
                              O6 A PSHS D SAVE WHAT LOOKING FOR C4 A LOOKL7 CPX FIRLAB.U DONE?
00984A 0E5B AC
00985A 0E5D 27
                              23 OEB2 UNITED BEQ LOOKL4
00986A 0E5F 30 1A A LEAX -6.X MOVE TO NEXT LABEL 00987A 0E61 10A3 02 A CMPD 2,X CHECK IT OUT
00988A 0E64 25
                                       OE5B BLO GLOOKL7 NOT THERE YET? SEED AREAD OF
                                                        BEQ SETBIT FOUND IT?
00989A 0E66 27 71 0ED9
                                                   LEAX 6,X OVERSHOT STX XT,U
00990A 0E68 30
                              06
                                     A
00991A 0E6A AF
                              CB 34 A
                                         A WINGLDX WEASLAB,U NOTO BE ON White weeking o
00992A 0E6D AE
                              42
00993A 0E6F AC
                              CB 34 A LOOKL5 CPX
                                                                         XT.U
                              OE OE82 BEQ LOOKL4
00994A 0E72 27
                                                    LDD ,--X
00995A 0E74 EC
                              83
                                    Α
                                                                                        MOVE LABELS
                             00996A 0E76 ED
00997A 0E78 EC
00998A 0E7A ED
00999A 0E7C EC
01000A 0E7E ED
01001A 0E80 20
```

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018
PAGE
           O: GENBO, TXT
                         THE MICRO WORKS
           GEN80: SOURCE GEN V I.3
01002A 0E82 EC
                 42
                         A LOOKL4 LDD
                                         LASLAB U END OF TABLE
01003A 0E84 C3
                 0006
                         Α
                                  ADDD
                                         #6
                                                  BUMP BY ONE LABEL
01004A 0E87 ED
                 42
                         Α
                                  STD
                                         LASLAB. U
01005A 0E89 A6
                 1A
                         Α
                                  LDA
                                         -6.X
                 7F
01006A 0E8B 84
                         Α
                                  ANDA
                                         #$7F
01007A 0E8D A7
                 84
                         Α
                                  STA
                                         O.X
01008A 0E8F 35
                         A
                 06
                                  PULS
                                         D
01009
01010
01011
                              STORE NEW SYMBOL & CHECK OVERFLOW
01012
01013A 0E91 ED
                 02
                         A LOOKL6 STD
                                         2.X
                                                  SAVE ADDRESS
01014A 0E93 6F
                 04
                                         4.X
                         A
                                  CLR
                                                  NO XREF
01015A 0E95 6F
                 05
                         Α
                                  CLR
                                         5. X
01016A 0E97 6F
                 01
                        Α
                                  CLR
                                         1.X
                                                  NO BYTE 1
01017A 0E99 EC
                 42
                         Α
                                  LDD
                                         LASLAB. U
                                CMPD
01018A 0E9B 10A3
                 46
                         Α
                                         BOTEXT, U
01019A 0E9E 24
                      OEA6
                 06
                                  BHS
                                         OVERR
                                                  TABLES RAN INTO EACH OTHER?
01020A 0EAO AF
                 CB 17 A
                                  STX
                                         LOOKXT, U
01021A 0EA3 A6
                 84
                         Α
                                  LDA
                                         O.X
01022A 0EA5 39
                              RTS
01023A 0EA6
                           OVERR STRG
                                         (SYMBOL
                                                  TABLE OV. N.E.R.F.) RET
01024A 0EC5 16
                 FB26 09EE
                                  LBRA
                                         BRAK
                                                  01025
01026
                              LOOK UP EXTERNAL
01027
                      Yvanaya.
01028
01029A OEC8 AE
                 48
                         A LOOKX
                                  LDX
                                         TOPEXT_U
01030A OECA AC
                 46
                         A LOOKX2 CPX
                                        BOTEXT, U
01031A OECC 27
                                         TOOKX3
                 16
                      OEE4
                                  BEQ
                       Α
                                  LEAX
                                         -6.X
01032A OECE 30
                 1A
01033A 0ED0 10A3 02
                               CMPD
                                         2.X
                        Α
01034A 0ED3 25
                 F5
                      OECA
                                BLO
                                         LOOKX2
                      OEF4
                                  BHI
                                         LOOKX4
01035A 0ED5 22
                 1 D
01036A 0ED7 34
                 06
                         Α
                                  PSHS
                                         D
01037A 0ED9 A6
                 84
                         A SETBIT LDA
                                         O.X
                                  STA
01038A OEDB A7
                 CB 33
                         Α
                                         ECFLAG. U
                                         #$80 BIT MEANS "SEEN BEFORE"
01039A OEDE 8A
                 80
                         A
                             ORA
                                         U, X Bage 1
01040A OEEO A7
                 84
                         A
                                  STA
01041A 0EE2 35
                 86
                         A
                                  PULS
                                         BOTEXT, U
01042A 0EE4 AE
                 46
                         A LOOKX3 LDX
                                         -6,X
BOTEXT,U
A
                       A
01043A 0EE6 30
                 1A
                                  LEAX
                 46
                                  STX
01044A OEE8 AF
01045A OEEA 34
                 02
                         A LOOKX6 PSHS
01046A OEEC 86
                                                  TYPE "EXTERNAL"
                 58
                                         #'X
                         A
                                  LDA
01047A OEEE A7
                 84
                         A
                                  STA
                                         O,X
                                  PULS
0104BA 0EF0 35
                 02
                         Α
                                         Α
                      0E91
01049A 0EF2 20
                 ФP
                                  BRA
                                         LOOKL6
01050
                             MOVE EXTERNALS DOWN
01051
01052
                           *
                                         LOOKXT.U
BOTEXT.U
-6,X
BOTEXT.U
                         A LOOKX4 STX
                                         LOOKXT, U
01053A 0EF4 AF
                 C8 17
01054A 0EF7 AE
                 46
                         Α
                                  LDX
                 1A
                         Α
                                  LEAX
01055A 0EF9 30
                 46
                         Α
                                  STX
01056A OEFB AF
01057A OEFD 34
                 06
                         Α
                                  PSHS
                                         D
                                         6,X MOVE THE DATA
0105BA OEFF EC
                 06
                         A LOOKX5 LDD
```

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```
01059A OF01 ED
                   81
                                     STD
                                             , X++
01060A OF03 AC
                   C8 17
                                     CPX
                           A
                                             LOOKXT.U
01061A 0F06 26
                   F7
                        OEFF
                                     BNE
                                             LOOKX5
01062A OFOB 35
                   06
                           Α
                                     PULS
                                             D
01063A OFOA 20
                   DE
                        OEEA
                                     BRA
                                             LOOKX6
01064
01065
                                 REFERENCE SYMBOL
01066
01067
                                 ENTRIES - REFERN (D SET) AND PRLAB (X SET
01068
01069A OFOC 17
                   FF3A 0E49 REFERN LBSR
                                             LOOKUP
                                                       FIND SYMBOL
01070A OFOF 17
                   02D8 11EA
                                             PASS2C
                                     LBSR
                                                       DON'T PRINT PASS 1
01071A 0F12 EC
                   04
                                     LDD
                                             4.X
01072A OF14 ED
                   C8 23
                                     STD
                                             LASREF.U SAVE LAST REFERENCE
01073A OF17 AF
                   CB 3C
                           Α
                                     STX
                                             REFX, U
01074A OF1A A6
                   84
                           Α
                             PRLAB
                                     LDA
                                             O, X
                                                       GET TYPE
01075A OF1C 84
                   7F
                           Α
                                     ANDA
                                             #$7F
                                                       REMOVE FLAG BIT
01076A OF1E 17
                   0274 1195
                                     LBSR
                                             OUTEE
                                                       PRINT IT
01077A OF21 30
                   02
                           Α
                                     LEAX
                                             2.X
01078A OF23 17
                   024B 1171
                                     LBSR
                                             OUTBYT
                                                       PRINT ADDRESS
01079A 0F26 16
                   0248 1171
                                     LBRA
                                             OUTBYT
01080
01081
                                 CHANGE MODE O TO INDEXED MODE 1...n
01082
01083A OF29 AE
                   4B
                           A MODEO
                                     LDX
                                             PAC, U
                                                       GET OPCODE ADR
01084A 0F2B A6
                   01
                           Α
                                     LDA
                                             1.X
                                                       POSTBYTE
01085A 0F2D 84
                   60
                                     ANDA
                                             #$60
                                                       REGISTER BITS
01086A OF2F 30
                   8D 0029
                                     LEAX
                                             XYUS-1, PCR REGISTER TABLE
01087A 0F33
             30
                   01
                             MODEO1 INX
01088A 0F35 80
                   20
                                     SUBA
                      saterar ara A
                                             #$20
01089A 0F37 2A
                  FA
                        OF33
                                     BPL.
                                             MODEO1
                                                       LOOP FOR MULTIPLY
01090A 0F39 A6
                  84
                           A
                                     LDA
                                                       GET THE ENTRY
01091A OF3B A7
                  C8 37
                           A
                                     STA
                                             INDREG, U SAVE IT
01092A OF3E AE
                   4B
                           A
                                     LDX
                                             PAC, U
01093A 0F40 A6
                   01
                                                       GET POSTBYTE AGAIN
                           Α
                                     LDA
                                             1, X
01094A 0F42 2A
                   13
                        OF57
                                     BPL
                                             MODE02
                                                       IF PLUS, 5-BIT MODE
01095A 0F44 84
                   10
                                     ANDA
                           Α
                                                       INDIRECT BIT
                                             #$10
01096A 0F46 A7
                  C8 36
                           A
                                     STA
                                             INDFLG, U
01097A 0F49 A6
                  01
                           Α
                                     LDA
                                             1.X
                                                       GET IT ONCE MORE
01098A 0F4B 84
                   1F
                           A
                                     ANDA
                                             #$1F
                                                       MODE TYPE BITS
01099A 0F4D 30
                  8D 04AC
                                     LEAX
                                             PBTAB, PCR
01100A OF51 A6
                  86
                           Α
                                     LDA
                                                       GET MODE NUMBER
                                             A.X
01101A OF53 A7
                  C8 16
                                     STA
                                             MODE_U
                                                       SAVE THE NEW MODE
01102A OF56 39
                                     RTS
01103A 0F57 86
                  01
                           A MODEO2 LDA
                                             #1
01104A OF59 A7
                  CB 16
                                     STA
                                             MODE. U
                                                       5-BIT MODE
01105A OF5C 39
                                     RTS
01106
01107A OF5D
                  58
                           A XYUS
                                     FCC
                                             /XYUS/
01108
01109
01110
                                 LOOK UP OPCODE
01111
01112A OF61 AE
                  4D
                                             PRC, U
                           A LOOKOP LDX
01113A OF63 AF
                  4B
                           A
                                     STX
                                             PAC.U
                                                       SET TO NO PREBYTE
01114A OF65 6F
                  CB 36
                                     CLR
                           Α
                                             INDFLG,U NO INDIRECT YET
```

01115A 0F68 6F

C8 1D

Α

CLR

EXTRA, U

NO EXTRA LETTER YET

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01116A 0F6B A6 C8 38 A L	DA DAREA,U DATA AREA?
	MPA #'S S S S S S S S S S S S S S S S S S S
	EQ ISAD TREAT STRING AS FCB
	MPA #'T NE NOTAT NOT TABLE
	ST TFLAG, U
	EQ ISAD TREAT TABLE AS FCB
	RA ISANA OR AS FDB
01124 *	
	#PA #'D "
	NE NODA O O O O O O O O O O O O O O O O O O
	DA 1 #1 TA TFLAG,U
	DA #DATMOD
	TA MODE, U
	DA #80 "FCB"
A Property of the Control of the Con	TA MNENO, U MNEMONIC NO.
01133A 0F90 20 40 0FD2 BI	RA DE NOTMO COMPANIO SE MERCELO
01134 	
	MPA #'A
	AL NOD
	LR TFLAG,U DA #ADDMOD
	ra mode.u
- 「大大・大・大・大・大・大・大・大・大・大・大・大・大・大・大・大・大・大・大	DA #85 FDB MNEMONIC
는 발표하는 집 과장 한 경우를 받는 사람들이 가지 않는 것이다. 그는 사람들이 가지 않는 것이다. 그렇게 되었다면 하는 것이다. 그렇게 되었다면 하는 것이다면 하는	ra mneno, u
01142A OFA3 20 2D OFD2 BI	RA NOTHO
01143	이 이 이 아니는 사람들은 사람들은 사람들이 되었다. 그 사람들이 살아 되었다.
	DA (현실 X 한다시 현실)
	MPA #\$10 PREBYTE?
	EQ OP10 MPA #\$11 OTHER ONE?
	NE NO11
	EAX BYTE11-4 PCR
	RA OP1011
01151A 0FB5 C6 03 A N011 LI	DB [[[[#3] - 1 [[[[[[[[[[[[[[[[[[[
	EAX BIGTAB, PCR
	EAX AGAD, X B EA GA AGA EA GA AGA EA GA AGA AGA AGA A
	TA MNENO, U MNEMONIC NO.
	DA 2,X
	TA EXTRA,U LETTER AT END
01159A OFC8 A6 01 A LI	DA 1,X
	TA MODE, U
	NE NOTMO
	DA MODE,U° MPA #ERMODE
	NE NOTMO2
	DB #80 FDB MNEMONIC
	TB MNENO, U
O1168A OFDE 6F CB 36 A CI	LR INDFLG,U
	LR 100 EXTRA, U by The WA SAME A
	DX TOPRC,U SE MA MAMA AN TX GEPAC.U SE AND THE MAMA AN
O1172A OFES 4A NOTMO2 DI	

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01173A OFE9 C6 03 A	LDB #3	THREE PER ENTRY
01174A OFEB 3D	MUL **(*)	
01175A OFEC 30 8D 042D	LEAX MODTAB, PO	
01176A OFFO 30 8B A	LEAX D.X	FORM ADDRESS OF ENTRY
01177A 0FF2 A6 02 A	LDA 2,X	
01178A OFF4 A7 C8 1C A	STA ALEN, U	
O1179A OFF7 AB 4C A	ADDA PAC+1,U	
	SUBA PRC+1,U	
OliBOA OFF9 AO 4E A	and the control of th	
01181A OFFB A7 C8 1B A	STA LENGTH, U	· 1000 1000 1000 1000 1000 1000 1000 10
O1182A OFFE EC 84 A	LDD O,X	
01183A 1000 30 8B A	LEAX D,X	
01184A 1002 AF CB 19 A	STX MODADR,U	
01185A 1005 39	RTS NAME	
01186	🙀 입력하기 열광 💎 원인체 🛊	
01187	* FIND OPCODE AFTER PR	REBYTE TO THE PROPERTY OF THE PARTY.
01188	*	
01189A 1006 30 BD 085F	OP10 LEAX BYTE10-4.	PCR \$2.00
01190A 100A AF C8 34 A	— · · ·	
01191A 100D AE 4D A	LDX PRC.U	MANE BACK BEEFURE
01192A 100F 30 01	INX	MOVE PAST PREBYTE
01193A 1011 AF 4B A	STX PAC,U	and the second of the second o
01194A 1013 A6 84 A	LDA X	· 사 · 프로 프라이트 방안 (인공원 - 스탠딩() **
01195A 1015 AE C8 34 A	LDX XT,U	[변경 : 전환화 : 기계 결혼하고 보면 [변경 문편]
01196A 101B 30 04 A	OP1012 LEAX 4,X	MOVE TO NEXT ENTRY
01195R 1018 30 04 R	CMPA X	is it? I called a second
		LOOP BROKE BROKES
01198A 101C 22 FA 1018	and the second of the second o	
01199A 101E 25 04 1024	BLO OPNG	NOT THERE
01200A 1020 30 01	INX	POINT TO TABLE ENTRY
01201A 1022 20 9A OFBE	BRARTAB	AND GO TREAT LIKE NORMAL
01202A 1024 30 8D 0473	OPNG LEAX \$10*3+BI	
01203A 1028 20 94 OFBE	BRA RTAB	
01204	Travel les Perise	· 高克克克 · 克克克克 · · · · · · · · · · · · ·
01205	* PRINT EQU *-n	a lag den adabio
	· * - * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·
01206	and the same of th	To be a second of the second o
		CAUF PC ON STACK
01208A 102C EC 4F A		SAVE PC ON STACK
01209A 102E 34 06 A	PSHS D	
01210A 1030 A3 02 A	SUBD 2, X	CALCULATE DIFFERENCE
01211A 1032 E7 CB 32 A	STB DIF, U	1. AAA E
01212A 1035 AE 02 A	J HARRILDX SEZ,X	· 현 경기 경기 기계 경우 기관 경기 유학생활 기계
01213A 1037 AF 4F A	STX REALPC, U	FAKE LAST PC
01214A 1039 BD 41 107C	BSR DATCOL	PRINT DATA COLUMNS
· · · · · · · · · · · · · · · · · · ·	the temptation of the second o	A TAN TANTAL SHARES
01215A 103B 35 06 A		RESTORE PC TO BESCA GENERAL
01216A 103D ED 4F A		
01217A 103F 17 FC9D OCDF	LBSR LABEL	Company of the Compan
01218A 1042	Setmsk 13	
01219A 1046 17 0193 11DC		g - 8601 ' - 87210
01220A 1049 45 A	FCC /EQU *-	
01221A 1050 00 A	And the state of t	
01222A 1051 A6 C8 32 A		GET DIFFERENCE
01223A 1054 BD 03 1059		OUTPUT SMALL NUMBER 40%(11)
	the state of the s	SE SE SE ASET MERKE
01224A 1056 16 017F 11D8		
01225	*	
01226	* OUTPUT SMALL NUMBER	
01227		- 14 (2017) - 12
01228A 1059 4D	OUTSM TSTA	
01229A 105A 2A 09 1065	BPL OUTSM3	IS IT POSITIVE?

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52.10 0	· OOURCE G	Lift V I.	3		
01230A 105C 34	02		PSHA		
01231A 105E 17	016F 11D0		LBSR	OUTCHR	PRINT MINUS SIGN
01232A 1061	2D A		FCB	7_	raini ninos sign
01233A 1062 35	02		PULA		
01234A 1064 40			NEGA		
01235A 1065 81	09 A	OUTSM3		#9	SINGLE DIGIT?
01236A 1067 22	05 106E		BHI	OUTSM2	Olinoba Digit:
01237A 1069 8B	30 A		ADDA	#\$30	MAKE ASCII
01238A 106B 16	0127 1195		LBRA	OUTEE	
01239A 106E 34	02	OUTSM2			
01240A 1070 17	015D 11D0		LBSR	OUTCHR	PRINT AS HEX
01241A 1073	24 A		FCB	¹ \$	
01242A 1074 1F	41		TSX		
01243A 1076 17	00F8 1171		LBSR	OUTBYT	
01 244A 1079 35	02		PULA		
01 245A 107B 39			RTS		
01246					
01247		*****	*****	****	*****
01248		*			
01249		* PRI	ATAC TV	LINE	
01250		*			
01251A 107C 6F		DATCOL		LENGTH, U	
01252A 107F CC	0000 A		LDD	#O	
01253A 1082 ED	CB 3C A		STD	REFX, U	
01254A 1085 17	0162 11EA	PRDATC		PASS2C	
01255A 1088			SETMSK	··	
01256A 108C 6D	C8 2E A		TST	STARS, U	DO WE FLAG THIS LINE?
01257A 108F 26	07 1098		BNE	STARS1	
01258A 1091 30	4F A		LEAX	7.44	ADDRESS OF PC
01259A 1093 17	00F9 118F		LBSR	OUTADR	PRINT PC
01260A 1096 20	09 10A1		BRA	STARS2	
01261A 109B 17		STARS1		PDATAI	PRINT STARS INSTEAD
01262A 109B	ZA A		FCC	/**** /	
01263A 10A0	00 A	~~~~~	FCB	0 -	
01264 01265	10A1 A	STARS2	EUU	A AND	
01266		* 555			[18] 10] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1
01267		* PREE	SYLE		ना विकास स्थानिक सम्बद्धान
01268A 10A1		*	SETMSK	1	
01269A 10A5 A6	CB 1B A		LDA		
01270A 10AS 81	05 A		CMPA	LENGTH, U	NEED PREBYTE FIELD?
01271A 10AA 25	07 10B3		BLO	FMT1	MEED FRESTIE FIELD, TO SELECT
01272A 10AC AE	4D A			PRC,U	
01273A 10AE 17	00C0 1171		LBSR	OUTBYT	PRINT PREBYTE:
01274A 10B1 20	03 1086		BRA	FMT2	
01275A 10B3 17	00D5 118B	FMT1	LBSR	OUTSP2	ELSE SPACE OVER FIELD
01276		FMT2	EQU		
01277	1000	*			
01278			VALUE		Roman State of the
01279	Nama Adoleman		*******		(1) 10 10 10 10 10 10 10 10 10 10 10 10 10
01280A 10B6			SETMSK	.2	
01281A 10BA E6	C8 1B A		LDB	LENGTH, U	
01282A 10BD AE	4D A		LDX	PRC, U	
01283A 10BF C1	05 A		CHPB	#5	PREBYTE ALREADY?
01284A 10C1 25	03 1006		BLO	FMT3	The second secon
01285A 10C3 30	01		INX	ran de la company	SKIP PREBYTE
01286A 10C5 5A			DECB		ing the control of the second of the control of the

PAGE 023 O'CENBO.TXT CATHE MICRO WORKS OF SECTION AND TOWN CENBO.TXT CONTROL OF THE MICRO WORKS OF SECTION AND THE MICRO WOR

01287A 10C6 8D 0C 10D4	FMT3 BSR BOS	PRINT BYTE OR SPACE
01288A 10C8 8D OA 10D4	BSR	AND THE NEXT ONE
01289A 10CA	SETMSK 3	· 查得 有 2 · · · · · · · · · · · · · · · · · ·
01290A 10CE 8D 04 10D4	BSR BOS	OTHERS IN MASK 3 ONLY
01291A 10D0 BD 02 10D4	BSR BOS	70 000 mas 515
01292A 10D2 20 OA 10DE	BRA FMT4	
01293		
01294	* ONE BYTE OR SPACE	- Add 1
O1295 WEST OF A THE PERSON THE		
01296A 10D4 5D 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		LENGTH COUNT GONE?
01297A 10D5 2F 04 10DB	BLE SOBOS2	PRINT SPACE IF SO
01298A 10D7 5A (2000) 10 (38)		COUNT DOWN BYTES
01299A 10D8 16 0096 1171	LBRA OUTBYT	PRINT THE BYTE
01300A 10DB 16 00AD 118B	BOS2 LBRA OUTSP2	
O1301MMULGO ON ROLEO FENO	* / 58/600	OREGO OR EXAMPLE
01302	* HEX EXTRA MARKER	
01303		
01304A 10DE		- 1011 OV - 00 4011 ACCC
01305A 10E2 86 20 A	LDA #\$20	
01306A 10E4 E6 C8 1B A		LENGTH OF INSTRIBLE ASSESSED
01307A 10E7 C1 02 A	CMPB 2 #2	
01308A 10E9 2F 02 10ED	BLE FMT5	IF >2, DIDN'TOFITOR ADDED
01309A 10EB 86 2B A	SLE FM15 *	MARY I PETAMERS AND A SECOND
		MARK LEFTOVERS
	FMT5 LBSR OUTEE	
	* TYPE ACRES DEATED	
01312 ***********************************	* REFERENCE ADDRESS	
01313		1781 BO NE VETT ANYSTO
01314A 10F0 TELESCOTO	SETMSK 8	
01315A 10F4 17 009C 1193	LBSR OUTSP	. Taki i go . Ca gali aktoro
01316A 10F70 91 001919 981	SETMSK 5 STATES	A EN AS CALLACTERO
01317A 10FB AE CB 3C A	LDX REFX,U	STATE AND CREATE AATELY
01318A 10FE 27 30 1130	BEQ FMT6	NOT MEMORY REF?
01319A 1100 30 02 A	业业分量的支持等DEAX中央第2,X中等基本及	
01320A 1102 17 008A 118F	LBSR OUTADR	PRINT ADDR OF LABEL
01321A 1105 SERFTWOR YT	ISTO OBETMSK 6 WARE	
01322A 1109 AE C8 23 A	LDX LASREF, U	· · · · · · · · · · · · · · · · · · ·
01323A 110C 27 07 1115		
01324A 110E 30 CB 23 A		POINT AT XREF
01325A 1111 8D 7C 118F	BSR OUTADR	AND PRINT XREF COL
01326A 1113 20 12 1127	BRA FMT9	
		END-OF-CHAIN?
01328A 1118 2A OB 1125	BPL FMT12	
01329A 111A 17 OOBF 11DC	LBSR PDATA I	. Segga o
01330A 111D 2E A	FCC 66//	va avet atabeto
01331A 1122 00 A	FCB 0	TRUETO ANTENDE
01332A 1123 20 02 1127	BRA FMT9	VA BIEL AGGELO
	FMT12 BSR OUTSP5	TYCL SO SETTLE AGENTS
	FMT9 LDX REFX,U	012914 1179 68 80 80
01335A 112A EC 4F A	LDD REALPC, U	4 TEN PROBLEM TO THE PROPERTY OF THE PROPERTY
01336A 112C ED 04 A	STD 4,X	SAVE NEW XREF & TEXT AREA &
01337A 112E 20 0B 1138	BRA FMT7	ORIA SO SE WILL AMBUST
	FMT6 BSR OUTSP5	A YO RE INST ADERSO
01339A 1132	SETMSK 6	a de la companya de l
01340A 1136 8D 4F 1187	BSR OUTSP5	WHILE TO LIFE THE ARRESTS
	FMT7 EQU *	经 基础 第19
01342	★ の の の の の の の の の の の の の の の の の の の	77 S. 17 E. S. 18 C.
01343	* FIVE CHARACTER ASCII	YO # 1 10

```
PACE
      024
            O: GENBO. TXT
                          THE MICRO
                                             WORKS
            GENBO: SOURCE GEN V I.3
01344
01345A 1138
                                  SETMSK 7
01346A 113C 8D
                 55
                      1193
                                  BSR :
                                         OUTSP
01347A 113E AE
                 4D
                         Α
                                  LDX
                                         PRC, U
01348A 1140 5F
                                  CLRB
01349A 1141 86
                 20
                         A FMT10
                                  LDA
                                         #$20
                                                  SPACE IF PAST END
01350A 1143 E1
                 C8 1B
                         A
                                  CMPB
                                         LENGTH, U PAST END OF INSTR?
01351A 1146 2C
                 02
                      114A
                                  BGE
                                         FMT11
01352A 1148 A6
                 80
                                  LDA
                         A
                                          . X+
                                                  GET MORE DATA IF THERE
01353A 114A BD
                 17
                      1163 FMT11
                                         OUTASC
                                  BSR
                                                  PRINT IF PRINTABLE
01354A 114C
            50
                                  INCB
01355A 114D C1
                 05
                       A
                                  CMPB
                                                  END OF COLUMN?
                                         #5
01356A 114F 25
                 FO
                      1141
                                  BLO
                                         FMT10
01357
01358A 1151 6D
                 C8 2C
                         A
                                  TST
                                         COLBO, U DON'T CR ON BO COLUMNS
01359A 1154 26
                 06
                      115C
                                  BNE
                                         FHT13
01360A 1156
                                  SETMSK 9
                                                  ONLY IN FULL MODE
01361A 115A BD
                 7C
                      11D8
                                  BSR
                                         CRLF
                                                  CARRIAGE RETURN HERE
01362A 115C
                           FMT13 SETMSK 10
01363A 1160 8D
                 31
                    1193
                                  BSR
                                         OUTSP
01364A 1162 39
                                  RTS
01365
01366
                              PRINT ASCITUEQUIVALENT
01367
01368A 1163 84
                 7F
                         A OUTASC ANDA
                                         #$7F
                                                  FORGET PARITY
01369A 1165 B1
                 7F
                                  CMPA #$7F
                         Α
                                                  IS IT RUBOUT?
01370A 1167 27
                 04
                      116D
                                  BEQ
                                         CEATUO
01371A 1169 B1
                 20
                         Α
                                  CMPA
                                         #$20
                                                  PRINTABLE?
01372A 116B 2C
                 02
                      116F
                                         OUTAS2
                              BGE
01373A 116D 86
                 2E
                         A OUTASE LDA
                                         #1.
                                                  USE PERIOD IF CAN'T PRINT
01374A 116F 20
                 24
                      1195 OUTAS2 BRA
                                         OUTEE
01375
01376
                           *****************
01377
01378
                              PRINTER OUTPUT UTILITY ROUTINES
01379
01380
                           01381
01382
                           *
01383
                              PRINT BYTE
01384
                           *
01385A 1171 A6
                         A OUTBYT LDA
                                       O,X
01386A 1173 47
                              ASRA
01387A 1174 47
                                  ASRA
01388A 1175 47
                                  ASRA
01389A 1176 47
                               ASRA
01390A 1177 BD
                             BSR
                 02
                      117B
                                        OUTNY
01391A 1179 A6
                 80
                         Α
                                 LDA
                                         , X+
01392A 117B 84
                 OF
                         Α
                           OUTNY ANDA
                                       #$F
01393A 117D 81
                 09
                      A
                                  CMPA
                                         #9
01394A 117F
                 02
                      1183
                                 BLS
                                         OUTNY2
01395A 1181
            8E
                 07
                         Α
                                 ADDA
                                         #7
01396A 1183 8B
                 30
                         A OUTNY2 ADDA
                                         #$30
01397A 1185 20
                 0E
                      1195
                             BRA
                                         OUTEE
01398
01399
                              PRINT SPACES
```

```
025 0:GEN80.TXT THE MICRO WORKS
PAGE
          GENBO: SOURCE GEN V 1.3
                  1193 OUTSP5 BSR
01401A 1187 8D
               OA
                                    OUTSP
                  118B BSR
1193 OUTSP2 BSR
01402A 1189 BD
                                   OUTSP2
               00
                              BSR
01403A 118B 8D
01404A 118D 20
               90
                                    OUTSP
                    1193
01404A 118D 20
               04
                              BRA
                                    OUTSP
01405
           * PRINT ADDRESS AND SPACE
01406
           01407
01408A 118F 8D E0
                   1171 OUTADR BSR
                                    OUTBYT
01409A 1191 BD DE
                   1171
                            BSR
                                    OUTBYT
01410A 1193 86
               20
                   A OUTSP
                              LDA
                                    #$20
                              FALL THRU
01411
                        *
01412
01413
                          OUTPUT ONE CHARACTER TO PRINTER
01414
               53 11EA OUTEE
01415A 1195 8D
                                    PASS2C DON'T PRINT 1ST PASS
                              BSR
01416A 1197 6D
               CB 2B A
                              TST
                                    SAVEIT, U NOT PRINTING?
01417A 119A 26 31 11CD
                              BNE
                                    TOY
01418A 119C 34
               06
                     Α
                              PSHS
                                    D
                           LDD
01419A 119E EC
               C8 2F
                      Α
                                    MASKF, U FIELD MASK
01420A 11A1 A4
               CB 25 A
                              ANDA
                                    CURMSK, U IS THAT BIT SET IN CURRENT
               03 11A9
01421A 11A4 26
                              BNE
                                    OUTEE2
             C8 26 A
                                    CURMSK+1,U TRY OTHER BYTE
01422A 11A6 E4
                              ANDB
               06
22 1
01423A 11A9 35
                     A OUTEE2 PULS
01424A 11AB 27
               22
                   11CF
                         BEQ
                                            IF ZERO. DON'T PRINT
                                    OUTEES
                           UNOINC
01425A 11AD 6C
               C8 31 A
                                    COLCAT, U COUNT COLUMNS
               01426A 11B0 B1
                                    #$D CARRIAGE RETURN?
                              CMPA
01427A 11B2 26
                   11C5
                              BNE
                                    OUTEE4
               C8 31 A
                         LDA
01428A 11B4 A6
                                    COLCNT.U
                              CLR
             C831 THE
01429A 11B7 6F
                                    COLCAT, U RESET COUNTER
                                    #33
01430A 11BA BI
                           CMPA
               21
                      Α
                                            AT END OF LINE?
               05 1103
01431A 11BC 26
                              BNE
                                    OUTEE5
                                  NOCR32,U FORGET THE CR?
                            TŜT
01432A 11BE 6D
               C8 27 A
01433A 11C1 26
               OC 11CF
                              BNE
                                    OUTEE3
O1434A 11C3 86 OD A OUTEE5 LDA
                                    #$D
01435A 11C5 6D C8 2D A OUTEE4 TST
                                    PRINTR, U ARE WE PRINTING
01436A 11C8 27 2E 11F8 BEQ
                                    TOUCH TO SCREEN INSTEAD?
01437A 11CA 16 F43D 060A
                          LBRA
                                    OUTPRT
                                            TO RS232
01438
01439 * SAVE CHARACTER IN BUFFER
O1441A 11CD A7 TUAO O SOCA TOY STA STA Y+ O1442A 11CF 39
01443美国共享编辑部基础和企业共享的基础基础基础
01444
                          OUTPUT ONE CHARACTER INLINE
01445
01446A 11D0 35 10 SEASOUTCHR PULS XXXXXXX
01447A 11D2 A6
               80
                    A
                              LDA
                                    , X+
                                            GET THE CHARACTER
01448A 11D4 8D
               BF
                   1195
                           BSR
                                    OUTEE
                                          PRINT IT
01449A 11D6 6E
               84
                   Á
                             JMP
                                   0,X
                                            RETURN PAST PARAMETER
01450
01451
                          CARRIAGE RET / LINE FEED
01452
01453A 11D8 86
               QO
                    A CRLF
                              LDA
                                    #$D
                                            NOT HARD, IS IT
01454A 11DA 20
               B9
                              BRA OUTEE
                   1195
01455
01456
                          PRINT DATA TO PRINTER OR SCREEN
```

```
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GEN80: SOURCE GEN V I.3

01458A 11DC 35 10 A PDATAI PULS X USE RET ADDR AS PTR
01459A 11DE 8D 02 11E2 BSR PDATA PRINT IN-LINE DATA
01460A 11E0 6E 84 A JMP 0,X RETURN PAST STRING
```

01458A 01459A 01460A	11DE	ab	10 02 84	A 11E2 A	PDATAI	PULS BSR JMP	X PDATA O.X	USE RET PRINT T RETURN	IN-LINE		
01461 01462A			80		* PDATA	LDA	- Madii - . X + : : : : : : : :	GET A (
01463A	11E4	27	OB	11F1		BEQ	PAS2C1	IF ZER	, LEAV		
01464A 01465A			AD F8	1195 11E2	Y H	BSR BRA	OUTEE PDATA	PRINT :			
01466	1120			1166	*	(14일) 숙달분 :		official (1877) Van A			
01467 01468					* ONL'	Y ON PAS	SS 2				
01469A	11EA	6D	CB	11 - A	PASS2C	TST	PASS, U				
01470A			02	11F1		BNE	PAS2C1	DITT 1 46	27 057	ADDD	
01471A 01472A			62		PAS2C1	LEAS RTS	.2.,5	PULL 19	10 mm	ADDR	. #4181
01473					M	7 540 7 5 7	161 358	Party Billian	S SD de		PEAGE NATION
01474 01475			9 445 2		*****	****	*** ******		20	****	****
01476		Wys.	1841. F. T. S. F.			PLAY TO	SCREEN	A H		- DE REFE	- AM LEAN - AM TENE
01477 01478A	1152	AE	E1.	A	* INDIS	LDX	, \$++	USE RE	TIIRN AI	DRESS	
01479A	11F4	8D	16	120C		BSR	DISPLA	AS STR	ING PO	INTER	
01480A 01481	11F6	6E	84	.cark A	*	JMP	0,X	AND RE	rurn Pa	AST STRI	ИG
01482A	11F8	6D	СВ	2A A	TOUCH	TST	SLOW, U		7.3 8 3	OH MODE?	- 2000 p. 13
01483A 01484A			0C 10	1209 A	en La serience La La L	BEQ PSHS	TOUCHS	IF NOT	, GO AI	IEAD	- 4450 A.C
01485A				F412	CHT.D	LDX	SCON, PCR	SLOW SI	PEED CO	TRATER	ASSET
01486A			1F		TOUCH2	DEX BNE	TOUCH2	COUNT	FOR DEI	-AY	- ACEAI - ACEAI
01487A 01488A			FC 10	1203 A	233	PULS	X			89 5811	ALSAT
01489A	1209	16	F3F	A 0606	TOUCHS	LBRA	OUTCH	i a vi	5 60 186	TIPE 80	- ASOP 11 - ASOP 11
01490 01491A	120C	A6 .	80	A	* DISPLA	LDA	49 x+ 822470	GET THI	2651 (26)	No say 1 months of the	AFCFA
01492A	120E	27	E1	11F1		BEQ	PAS2C1	END OF			- 基礎組織 (1) - 名景銀春(1)
01493A 01494A			E6 F8	11F8 120C	n wie	BSR BRA	TOUCH DISPLA	TO ROM	KOUIII	ao is	WAS VE
01495				V 178 P.V.	ARRO HER	er de de la companie	gans invasiāses				GRAD Llagar
01496 01497					*	***	*****	*****	****		***
01498						CULATE	ADDRESSIN	G MODE	OUTPUT	- FA GOAS -est finys	- A . A. F. C. - A. G. & A. C.
01 499 01 50 0					*****	*****	*****	*****	****	*****	***
01501										=	
01502 01503					* IND	EXED AD	DRESSING	MODES		TER OFFE	
01504	640 61 7.00				*						ATAALS
01505A 01506A			4B 01	A A	MODE1	LDX LDA	PAC,U	5,R		MA AGE:	- ABBACO - ABBACO
01507A	1218	48				ASLA					08410
01508A						ASLA ASLA					- 11분위() - 임원과 11
01509A 01510A						ASRA			ā:o		
01511A						ASRA ASRA		#### # # Vi	AND THE SECOND S		
01512A	1210	47	T-1-4		MARIO	HORA	OUTCM				

FE38 1059 MOD18 LBSR OUTSM

AD 11DO COMMAR BSR OUTCHR

01513A 121E 17

01514A 1221 BD

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	01515A	1223		20	A		FCB	1.,	
	01516A			C8 3			LDA	INDREG U	
	01517A				1195		LBRA	OUTEE	
	01518					*			
	01519A	122A	8D	F5	1221	MODE2	BSR	COMMAR	т.
	01520A			2B	A		LDA	#'+	, R+
	01521A	122E		FF64		MODES	LBRA		
	01522			1104	1120	*	LDKH	OUTEE	
	01523A	1231	8D	F7	1004		nen	MODEO	-
	01524A			F7		MODE3	BSR	MODE2	, R++
	01525	1200	20	rr	1220	uris Talah salah sa	BRA	MOD23	
	01525A	1235	00			*	· · ·		
	01527A			2C		MODE4	LDA	# ',	
			17	FF5B		MODE45		OUTEE	
	01528A			2D	Α		LDA	#'-	
	01529A		17	FF56	1195		LBSR	OUTEE	
	01530A			CB 3.			LDA	INDREG, U	
	01531A	1242	16	FF50	1195		LBRA	OUTEE	
	01532					*		可是 强重原性系统	
	01533A	1245	86	2C	Α	MODE5	LDA	#',	R
	01534A	1247	17	FF4B	1195		LBSR	OUTEE	•
	01535A	124A	86	2D	A		LDA	·#1	
	01536A	124C	20	E9	1237		BRA	MODE45	
	01537					*	JT.		
	01538A	124E	86	30	Δ	MODE6	LDA	# ' O	O,R
	01539A	1250	17	FF42	1195	MODE67	LBSR	OUTEE	0, K
	01540A	1253	50	CC	1221	HODEGI	BRA	COMMAR	
	01541		- ·	00	1441	*	DRM	COMMAR	
	01542A	1255	86	42	Á	MODE7	IDA	eren Suen	n n
	01543A	1257		F7	1250	HODE	LDA	#'B	B,R
	01544	IEUI	20	rr	1230	v	BRA	MODE67	
	01545A	1259	05	41	۸	*	T. T. A	i i a	. *
	01546A		20	F3		MODE8	LDA	#'A	A,R
	01547	1530	20	rs	1250	en e	BRA	MODE67	
	01548A	1055	A 172	45	n na	*	47.7% - 72.7%	19.85 W.L. 1	
			AE	4B	A	MODE9	LDX	PAC,U	8,R
	01549A	125F	A6	02	ΑΑ	*	LDA	2,X	
	01550A	1261	20	BB	121E		BRA	MOD18	
	01551					* ***			
		1263		4B	Α	MODE10		PAC, U	16,R
		1265		02	Α		LDD	2,X	
		1267		FCA2			LBSR	REFERN	
	01555A	126A	20	B5	1221		BRA	COMMAR	
	01556					*		~)	
	01557A	126C		44	Α	MODE11	LDA	#'D	D,R
	0155BA	126E	20	EO	1250		BRA	MODE67	
	01559					*		54	- 12 gra - 2 - 12 gra - 2
	01560A	1270	17	FF5D	11D0	MODE12	LBSR	OUTCHR	
	01561A	1273		3C	A	477	FCC	11 < 1.9 / 0.00	
	01562A	1274	AE	4B	Α		LDX	PAC,U	
1	01563A	1276	E6	02	A		LDB	2, X	
	01564A		1 D				SEX	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
		1279		4F	A	MOD24	ADDD	REALPC, U	
		127B		CB 1B			ADDB		
		127E		00	A		ADCA	LENGTH, U #0	
		1280		17	1299		BSR		**
			17	FF57				TREFQ	et de la company
		1285	• •	5C	_		LBSR	PDATAI	
		1289		00	A		FCC	/, PCR/	
•	o Lui In	+ = 0 7		50	. А		FCB	0	

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GEN80: SOURCE GEN V I.3

						_		
01572A	128A	39				RTS		
01573	1200	17	mma.c	1100	*	, non	Allmour	46 55
01574A 01575A	128E	17	7742 3E		MODE13		OUTCHR	16,PC
	128F	ΔF	3E 4B	A A		FCC LDX	PAC,U	
	1291		02	A		LDD	2,X	
		20	E4	1279		BRA	MOD24	
01579			4	15.12	*	DILA	HODET	
01580A	1295	AE	4B	Α	MODE14	xa.ı	PAC,U	[ABS IND]
	1297		02	A		LDD	2,X	11103
	1299				TREFQ	LBRA	REFERN	
01583								
01584					*			
01585					* NON-	- INDEXE	ADDRESS	ING MODES
01586					*			
01587A	129C	39			MODE15	RTS		INHERENT
01588					*			
01 589A			4B	Α	MODE16	LDX	PAC,U	PSH/PUL
	129F		84	Α		LDA	X	
	12A1		02	Α		ANDA	#2	
01592A			C8 3E			STA	MODOP, U	
01593A			C8 28			TST	FULLMD, U	
01594A			OF	12BA		ENE	MOD165	
015 95 A			01	A		LDA	1,X	
01596A						CLRB		
01597A			~~		MOD164			
01598A			00	A		ADCB	# O	
	12B1	4D	T A	4000		TSTA	WODA CA	
01600A	12B2		FA 04	12AE		BNE CMPB	MOD164 #4	
01601A 01602A		1022	- '	A		LBHI	MODE21	
01603A			01		MOD165		1,X	
01604A			32	12F0	MODICS	BEQ	MODERR	
	12BE		8D 01			LEAX	RLISTA-2,	PCR :
	1202		02		MOD161		2,X	
	1204					LSRA	3	
01608A	1205	24	FB	12C2		BCC	MOD161	
01609A	1207	34	16	Α		PSHS	D, X	
01610A	12C9	EC	84	Α		LDD	X	
01611A	12CB	30	8B	Α		LEAX	D, X	
01612A			84	Α		LDA	O,X	
01613A			53	Α		CMPA	#'S	
01614A			09	12DC		BNE	MOD162	
01615A			C8 3E			TST	MODOP, U	
01616A			04	12DC		BNE	MOD162	
01617A			8D 01			LEAX	REGUM, PCF	ł
01618A					MOD162		PDATA	
01619A			16	A		PULS	X,D	
01620A			OP.	1055		TSTA	MODISS	
01621A			0B	12EF		BEQ TFR	MOD163 A,B	
01622A 01623A		1F	89 2C	A A		LDA	#',	
01623A			FEAA	1195		LBSR	OUTEE	
01625A			98	A		TFR	B,A	
01626A			DЗ	1202		BRA	MOD161	
01627A					MOD163			
01628					*			

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01629A 01630A 01631A 01632	12F2	30	5C 8D 00 FEE9		MODERR	BSR LEAX LBRA	MODE21 NOTMS, PCI PDATA	DEFAULT TO NOT FLAGGE		BSAG	E
01632 01633A	1250	۸۲	4B		*	1 1537	546				
01634A			01	A	MODE17	LDX	PAC, U	TFR/EXG			
01635A			02	1301			1,X				
01635A			08	1301 A		BPL EORA	MOD171 #\$8				
01637A		85	08		MOD171		::#*° : #8				
01638A			EB	12F0	HODITI	BNE	MODERR				1.3
01639A			01	A		LDA	1,X				
01640A			••	n		ASRA	1 . A				
01641A						ASRA					
01642A						ASRA					
01643A	130A	47				ASRA					
01644A	130B	8D	08	1315		BSR	PREGT				
01645A	130D	17	FECO	11DO		LBSR	OUTCHR				
01646A	1310		2C	Α		FCB	,				
01647A			4B	Α		LDX	PAC, U				
01648A			01	A		LDA	1,X				
01649A			OF	Α	PREGT	ANDA	#\$F	and the second of the second o			
01650A			OB	A	the table of	CMPA	#\$B			#1813 	
01651A			D5	12F0	10.00	BHI	MODERR				
01652A			8D 00	O D		LEAX	RLISTB-2.	PCR			
01653A		30	02	Α	MOD172		2,X				
01654A		4A				DECA					
01655A			FB	131F		BPL	MOD172				
01656A			84	A		LDD	X				
01657A			CB	12F0		BEQ	MODERR				
01658A			8B	A .	2.04	LEAX	D.X	a. tiya			
01659A	13ZH	16	FEB5	11E2		LBRA	PDATA				200
01660 01661A	1225	177	EEAA	1180	*	,		Janu de di			34
01662A		11	FEA0		MODE18		OUTCHR	DIRECT PAGE			
01663A		ΔF	4B	A		FCB	, (, , , , , , , , , , , , , , , , , ,				
01664A			01	A		LDB	PAC.U				
01665A			O1	н		**	1,X				
01666A			FBD3	OFOC		CLRA LBRA	REFERN				A.S
01667				0, 00	** *	LUMA	KLI LKH				
01668A	1339	AE	4B	Α	MODE19	LDX	PAC,U	DELATION			1 6
01669A			01	A		LDB	1, X	THE TALL			
01670A	133D	1 D		n manan	n e i em jore	SEX					
01671A	133E	E3	4F	A	MOD191		REALPC, U				
01672A	1340	EB	C8 1E			ADDB	LENGTH, U				
01673A			00	Α		ADCA	#0				
01674A	1345	16	FBC4	OFOC		LBRA	REFERN		141 - 123 133 - 134		
01675					*		에 핀 _ 취임학생 및	raine a la fille et la		AVE ELE Notes	
01676A			4B	Α	MODE20	LDX	PAC, U	16-BIT RELAT	IVE	31. A 3. 85. A	
01677A			01	Α		LDD	1,X		5, 35		2004 S
01678A	134C	20	FO	133E		BRA	MOD191				aas aasa
01679					*						
01680A		17			MODE21		OUTCHR	IMMEDIATE			naze () National
01681A		۸.	23	A		FCB	'# 				
01682A			4B	A		LDX	PAC,U				
01683A			01	A		LDA	1,X				
01684A 01685A			05 ECEE	135D		BMI	MOD212				
ATOODH	1338	TL	FCFE	1027		LBSR	OUTSM				

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GEN80: SOURCE GEN V 1.3

01686A 01687A 01689A 01689A 01691A 01693A 01693A 01695A 01696A 01697A 01699A 01699A 01700A 01701A 01702A	1350 1360 1362 1364 1366 136A 136C 136F 1372 1373 1377 137A 137D	17 AE A6 81 2D 81 27 17 17 AE A6 17	22 4B 01 FE1B	A A A 137E A 137E 1193 11D0 A A	MOD212 MOD213		MOD213 OUTSM2 PAC,U 1,X #\$20 RTS #\$7F RTS OUTSP OUTCHR ," PAC,U 1,X OUTEE OUTCHR	FA	
01704A 01705A 01706A 01707	1381	AE EC 16	4B 01 FB86	A A OFOC	MODE22	LDX LDD LBRA	PAC.U 1.X REFERN	EXTENDED	
01708A 01709A 01710A 01711 01712 01713	1389	17 20	FE47 23 F3	11D0 A 137F	MODE23	FCB BRA	OUTCHR '# MODE22 CTION ADDR	16-BIT IMM	
01714 01715A 01716A 01717A 01718A 01719A 01720A 01721A 01722A 01723A 01725A 01726	138E 1390 1393 1395 1397 1398 139D 13A0	A6 17 84 27 81 23 34 17	4D 84 FCDB 7F E7 20 E3 02 FDEB 02 FDF0	A 106E A 137E A 137E	MODE24	LDX LDA LBSR ANDA BEQ CMPA BLS PSHS LBSR PULS LBRA	PRC, U X OUTSM2 #\$7F RTS #\$20 RTS A OUTSP2 A OUTEE	NORMAL FCB	
01727A 01728A 01729A 01730A 01731A 01732A	13A7 13A9 13AC 13B0	A6 17 30 16	4D 84 FCC2 8D 00 FE2F 20	A 106E 003 11E2	MODE25	LDA LBSR LEAX LBRA	PRC,U X OUTSM2 NOTMS,PCR PDATA / < </td <td></td> <td></td>		

01739 01740 01741				* TAB:	LES	
01742A		AEOO	A	RLISTB	FDB	REGDM-*
01743A	1300	0030	Α		FDB	REGXM-*
01744A	1302	0030	Α		FDB	REGYM-*
01745A	1304	0032	Α		FDB	REGUM-*
01746A	1306	00 2E	A		FDB	REGSM-*
01747A	1308	0032	A		FDB	REGPCM-*
01748A	13CA	0000	Α		FDB	0
01749A	13CC	0000	A		FDE	0
01750A	13CE	001E	Α		FDB	REGAM-*
01751A	13D0	001E	A		FDB	REGBM-*
01752A	13D2	0014	Α		FDB	CCRM-*
01753A 01754	13D4	0015	Α		FDB	DPRM-*
01754 01755A	13D6	0010	^	*	500	0054
01755A	13D8	0010 0014	A	RLISTA	FDB	CCRM-*
01757A	13DA	0014	A		FDB	REGAM-*
01758A	13DC	000D	A		FDB	REGBM-*
01759A	13DE	0012	A A		FDB	DPRM-*
01760A	13E0	0012	A		FDB	REGXM-*
01761A	13E2	0012	A		FDB	REGYM-*
01762A	13E4	0015	A		FDB FDB	REGSM-*
01763	1047	0016	н	*	FDB	REGPCM-*
01764A	13E6	43	Α	CCRM	FCC	/CC/
01765A	13E8	00	A	CCRM	FCB	0
01766A	13E9	44	A	DPRM	FCC	/DP/
01767A	13EB	00	A	DI'MI	FCB	0
01768A	13EC	41	A	REGAM	FCB	A,O
01769A	13EE	42	A	REGBM	FCB	'B,0
01770A	13F0	58		REGXM	FCB	,x,o
01771A	13F2	59		REGYM	FCB	, Y, O
01772A	13F4	53		REGSM	FCB	's,o
01773A	13F6	55		REGUM	FCB	ָט,ס
01774A	13F8	44		REGDM	FCB	ס,ם,
01775A	13FA	50	A	REGPCM	FCB	'P, 'C, O
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